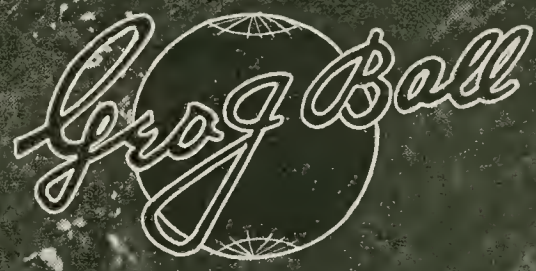


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1934.



GEO. J. BALL

WEST CHICAGO
ILLINOIS

"Flower Seeds for Florists"

Florists Wholesale Catalog No. 24

Jan.-June '34

Better Business!

REPORTS from all leading industries clearly point to a revival in business. The certain influence of trade codes and agreements and the result of necessary or replacement buying are becoming definitely effective. The extent to which this revival is felt in your greenhouse and mine depends on how well prepared we are with attractive stock. Nobody will question that. In the following pages I have tried to describe as clearly as possible the value of different varieties.

Varying demands and growing conditions are responsible for the many preferences your seedsman must supply. However, certain kinds are generally satisfactory and I have tried to point them out in this catalog through the use of stars *. Such varieties we not only find dependable in our own experience but we have the preferences of our many customers to guide us in starring these safe varieties.

I not only look forward to a fairly good season and wish it for you, but I feel that we are doing our part toward it by being prepared to furnish good strains of flower seed.

Geo. J. Ball

Business Terms

DISCLAIMER. I, Geo. J. Ball, give no warranty, expressed or implied, as to description, quality, productiveness or any other matter of any seeds I sell and I will not be in any way responsible for the crop. If the purchaser does not accept the seeds on these terms they are at once to be returned, and the money paid for same will be refunded.

DISCOUNTS. When remittance is enclosed with order we allow a cash discount of 5% on orders up to \$25.00; on this amount or over 8% cash discount is allowed.

CASH WITH ORDER. If unknown to us or if overdue invoices are standing (60 days), cash must be enclosed with order, unless other arrangements are agreed upon.

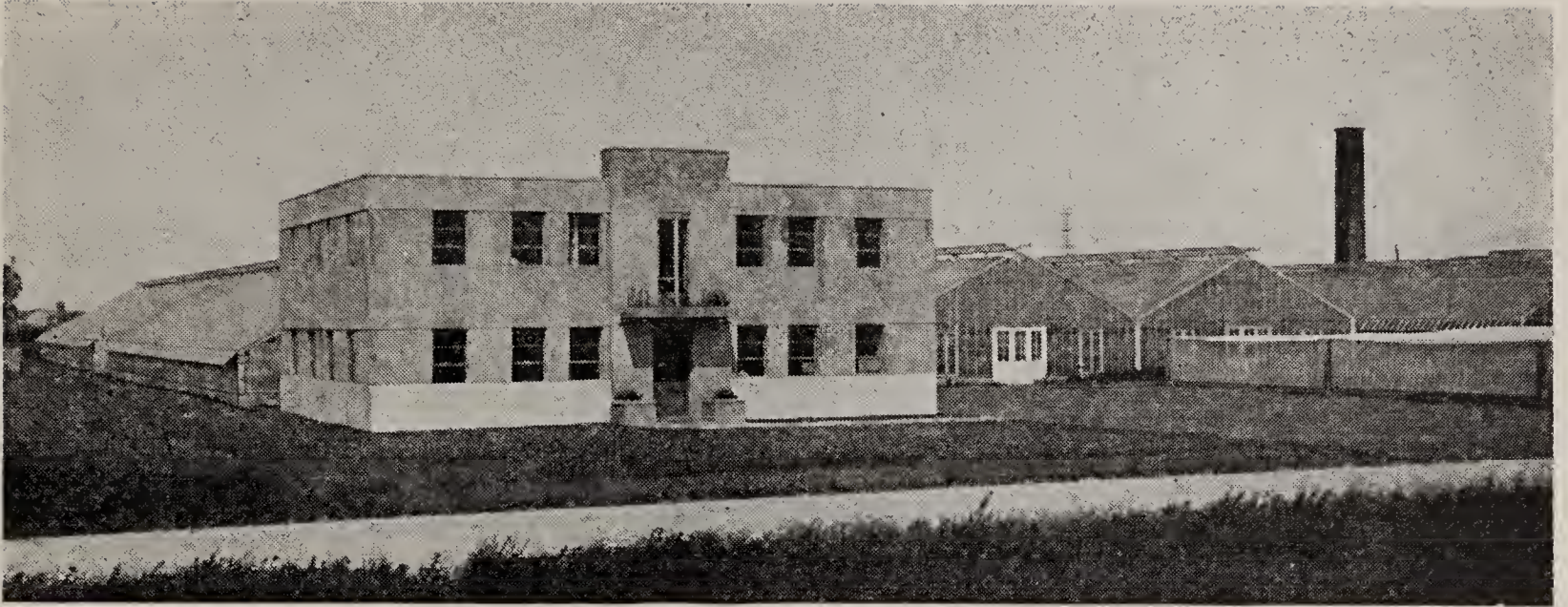
TO AVOID DELAY. If you have had no previous dealing with us, or have no commercial rating, enclose remittance with order or satisfactory trade reference.

SMALL ORDERS are welcomed gladly and receive prompt and careful attention. In return we suggest cash be enclosed to cover the proportionately greater cost of handling.

WE PAY POSTAGE AND INSURANCE on all orders at prices quoted in this catalog. This simplifies figuring up your order.

ADVANCE ORDERS are subject to pro rata delivery in case of crop shortage.

PLEASE NOTE. Our seed cannot be bought from dealers or agents **except in our packets.** Avoid uncertainty on this point by ordering direct from this catalog or our authorized agents. And—"All orders **sent us** are back in the mail the day received."



New home of our seed business at West Chicago, Ill., with greenhouses in background and corner of cloth house on right.

This building is of concrete and steel throughout, equipped with every modern facility for properly caring for our seed business, including air conditioning. It carries out our determination to spare no cost in efficiently serving your seed business, including our policy of "getting every order back in the mail the day it is received."

OUR SERVICE

THE life and value of our industry depends upon the quality, attractiveness and variety of our product. Inferior or unsatisfactory stock not only hurts the grower directly but is a reflection on the business at large, which means all of us.

Usually such stock is the result of lack of information or — service. With the backing of our experience we try to supply this need to growers of our seed, believing it to be a service they are entitled to. Besides supplying circulars gratis on various crops, we regularly issue the

"BALL RED BOOK" (By Geo. J. Ball). The second, or 1933 edition has been enlarged and covers a greater variety of subjects. It supplies detailed information on the construction of cloth houses, with suggestions on various crops that can be grown to advantage under their protection, particularly asters. We have tried to increase the worth of this second edition, and we feel sure that it will maintain our policy of giving full value in all our dealings. **Mailed postpaid for 20c.**

"BETTER SWEET PEAS." (By Geo. J. Ball).

A cloth bound book of 210 pages freely illustrated and covering in detail the growing of Winter-flowering Peas under glass. A chapter is devoted to the possibilities of the Late-flowering type. Another to the miscellaneous crops grown to advantage with Peas. "Better Sweet Peas" is the only American book on this subject. **Sent postpaid for \$1.00.**



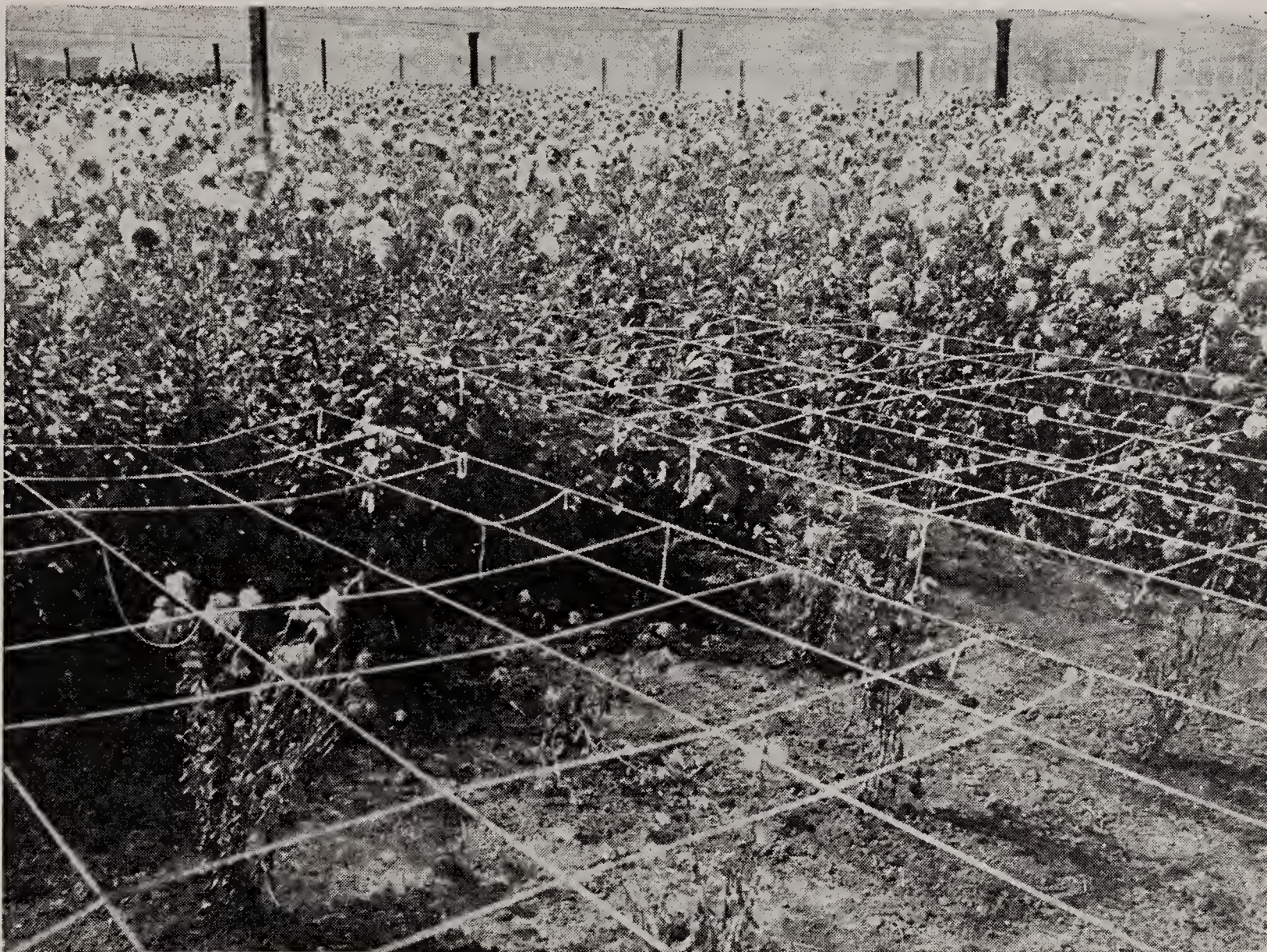
A nice crop of our well known aster Ball White Late.

Cloth Houses

SUCCESSFULLY producing asters free of the "yellows" through the protection of cloth houses is one of the outstanding recent developments in the florist business. It ranks with the flowering of October Mums in September through the shortening of daylight hours. These developments are of much practical value and must be taken advantage of if we growers of miscellaneous stock (either for market or retail) are to grow asters and mums at a profit. A few fundamental points on cloth house aster growing are, — the houses must be up and tight before the plants are put out; water must be piped into the house and used as you do in the greenhouse, there is no room in a six or seven foot cloth house for an overhead watering system; all cross wires in the house must be quite tight and maintained so throughout the summer.

If a storm tears the house open three to four weeks before the asters flower we find it unnecessary to make as tight a repair as we would if this happened earlier, for the "yellows" will not develop seriously before they are cut. Not only will a tight house insure asters free of the fatal "yellows" but the shelter from wind and sun produces heavier, longer-stemmed growth and larger flowers; this alone, we find, makes the cloth house profitable.

While the construction of these houses has become fairly well standardized, improvements in details suggest themselves annually. We have been using them for the past four years and have put down our methods of construction as plainly as we could in the new edition of our "Ball Red Book." In addition to this we supply circulars by the makers of cloth that deal with their construction. Furthermore, — should you find yourself uncertain on any point, write us. Whether or not you have gotten your seed of us, our experience is at your service.



A check lot of ordinary strains of asters in the foreground with rot resistant in the background.

Stem Rot Resistant Asters

IT IS most encouraging and convincing to see resistant strains stand up nearly 100% in thoroughly sick soil, as shown above, alongside ordinary commercial stock that goes down nearly 100%.

We have received a few unfavorable reports on our resistant strains of asters, surprisingly few considering the number of favorable ones. In several cases we investigated, the plants were affected with the "yellows" and one was in a cloth house; this emphasized the necessity of maintaining these houses tight, 100% so, to keep out the leaf hopper that alone is responsible for the fatal yellows. There are a number of forms or varieties of rot that affect asters, one a blackening of much of the stem. This is not nearly so fatal or wide spread as the common stem rot that works through the stem near the base. Our Resistant strains are bred to overcome or resist this and they will do so to the extent of 85% — 90%, even in soil that has grown asters for several years, as the above photo proves. Asters have been grown for four consecutive seasons in this house.



BALL Resistant Asters

WE HAVE not only pioneered interest in rot resistant asters, but we are very much interested, with Bodger Seeds, Ltd. of California, in developing this resistance in all varieties. In the following list the degree of resistance to rot will be found higher in some than in others; in none is it less than 70% in our sick soil. Most of them will stand up practically 100% in ordinarily clean soil. On the other hand, we occasionally get complaints to the contrary. It is perfectly clear to us that where these varieties fail to come clean, the cause will be found in diseases other than the common or wide-spread form of stem rot they are bred to resist. We are glad to say many favorable reports on the value of the resistant strains have been received by us from all sections of the U. S. Even in soil not infected with rot, we feel certain these strains will be found more vigorous and safer than the ordinary ones. All the varieties listed on this and the following page are resistant. A few words about colors. In our market the demand centers largely on white. Good white asters are usually at a premium in any market. In the order of their value we should list the colored ones as follows: Azure Blue; Rose Pink; Deep Rose; Shell Pink; Lavender Blue; Purple; Blush or Peachblossom Pink; Blackish Blue; Cattleya or Orchid and Crimson.

The varieties starred we find especially resistant and valuable cut flower colors, and we believe most growing conditions and markets will find them the same.

***BALL WHITE LATE.** This is a splendid strain of long stemmed, large flowered white. It belongs to the late branching class, flowering around September 15. Fairly resistant. Trade Packets only.

***BALL WHITE EARLY.** This is a resistant bred strain of the well known original Ball white. September 1 to 5. Offered this season in trade packets only.

***AMERICAN BRANCHING WHITE.** We offer a Bodger grown resistant strain of this late-branching type. Long-stemmed, nice size and pure white. The right type of flower for market and shipping.

***BALL DEEP ROSE.** Long stemmed, extra bright deep rose color. A very pleasing shade, with incurved petals, a fine form for shipping. This variety opens about September 1 with our regular Ball white from which it is a break. Practically 100% resistant with us the past two seasons.

***BALL PURPLE.** Deep bright purple with the same incurved shape of Ball deep rose. It is also extra long stemmed and highly resistant, flowering around September 1. The above two varieties are the season's first good long stemmed ones with us. Both follow and greatly improve the Royals.

CALIFORNIA GIANT DARK PURPLE. The first of the late Giants to be offered in a resistant strain. This variety provides the latest flowering purple and the shade of this is exceptionally rich. Offered in trade packets only.

***SEMPLER PINK.** A resistant form of the well known Mary Semple. The stock we are offering this season was turned over to us by the University of Wisconsin in 1932 and it clearly improves in vigorous growth and flower stems the stock sent out last season. This is a pleasing shell pink and a popular color in most markets. September 5 to 10.

GIANT BRANCHING PHLOX PINK. This is a light shade of rose pink that deepens as the flower fully develops. Of true American branching form and habit. September 15 to 20.

AMERICAN BEAUTY SHELL PINK. Semple pink shade and highly resistant. October 1 to 15. Unless protected, too late for our latitude.

***AMERICAN BEAUTY AZURE FAIRY.** Very attractive mid-blue with true incurved Beauty form, and of fine size. October 1 to 10.

AMERICAN BEAUTY CRIMSON. Highly resistant and extra long stemmed, but of only medium size. September 25.

NOTE: The Beauty varieties, Shell Pink, Azure Fairy and California Giant dark purple, should not be planted outdoors in sections liable to early frost. We find Azure Fairy and the Giant purple profitable to use in cold greenhouses. Because of their color they easily compete with mums.

***AMERICAN BRANCHING AZURE BLUE.** Clear mid-blue. One of the most attractive commercial colors and highly resistant. Don't miss it. September 20.

AMERICAN BRANCHING BLACKISH BLUE. Very dark. A limited amount of this is liked. September 15.

KING BLACKISH BLUE. The needle type of the Kings is attractive in any color. September 15.

KING CRIMSON. September 15.

UPRIGHT BRANCHING WHITE. Extra large full petaled and long stemmed. September 20. The Uprights do not spread and will stand closer planting than the Branching kind.



BALL Resistant Asters (Continued)

UPRIGHT BRANCHING ROSE PINK. Fairly deep true rose pink when fully developed. September 20.

ASTERMUM WHITE. Large attractive white, medium long and not stiff stemmed. Fine for its date, — August 25. Fairly resistant.

ASTERMUM LAVENDER. A fairly deep lavender-blue, a good market color. September 10 to 15.

***CREGO DEEP ROSE.** Best of the mid-season deep rose colors. September 15. Deep rose in asters is a reddish rose. Do not confuse it with rose pink.

COMET BRANCHING DARK BLUE. Of true comet type and fairly good cut flower color. Highly resistant. September 5.

COMET LAVENDER BLUE. A fairly deep lavender blue, a good market color. September 10 to 15.

COMET SALMON QUEEN. Very pleasing shade of salmon rose. Not tried by us but comes highly recommended.

COMET BLUSH PINK. Light or blush pink. Free flowering on medium long, wiry stems. Good size and valuable because of its flowering date. August 10 to 15.

HEART OF FRANCE. Our strain of this brilliant red is highly resistant and about one week later than the regular strain and clearly larger and longer stemmed.

ROYAL PURPLE. Some of this color is necessary for mid-summer work and Royal Purple is the best available for its flowering date. August 10.

***ROYAL SHELL PINK (BALL).** This is Mary Semple pink color, large flowered and fairly long stemmed. Comes in a week ahead of Mary Semple and is valuable. August 25.

***ROYAL AZURE BLUE.** A valuable market color and the earliest flowering variety in this color. September 1.

ROYAL WHITE. Not tried by us, but comes well recommended.

NOTE: The flowering season of the Royals is somewhat irregular, but most of them come in between Queen of the Markets and the mid-season varieties and for this reason are valuable.

QUEEN OF THE MARKET, DARK BLUE. A true dark blue. While not much of this color is wanted, its early flowering date and dependable resistance gives it value.

QUEEN OF THE MARKET, WHITE. Not tried by us but comes well recommended. A valuable mid-summer color.

QUEEN OF THE MARKET, FLESH PINK. Not tried by us but comes well recommended.

QUEEN OF THE MARKET, CRIMSON. Highly resistant and some of this color is useful.

NOTE: The flowering season of the Queen of the Market class extends over July, depending on how early planted. They are long stemmed and fairly large when well grown.

BALL RESISTANT MIXTURE — Early. Made up of Queen of the Market and Royals.

BALL RESISTANT MIXTURE — Late. Will provide flowers through September.

Prices on all resistant asters, including the mixtures:

Trade Packet, 50c; 1/4 oz. 60c; 1/2 oz. \$1.25; 1 oz. \$2.00.

NOTE: Because of the strong demand for the resistant strains and the difficulty in working up a large supply, shortages are certain to develop. May we substitute, if necessary, with other resistant varieties of the regular strains? Also please note: The following varieties are available in 50c trade packets only. Ball White Early, Ball White Late, and California Giant Dark Purple.

Regular American Asters

In sections where stem rot is not serious our California grown strains of asters will be found generally satisfactory.

EARLY WONDER (Early Express). Very early flowering and not long stemmed. Comet type. Late June — Early July.

	Light Blue	Rose	Lavender	White	Tr. Pkt.	1/4 oz.	1 oz.
Above, separate colors.....					\$.25	\$1.50	\$1.75
Mixed, all colors.....					.25	.40	1.50
QUEEN OF THE MARKET. The best standard early class. Early July.							
	Deep Rose	Crimson	Dark Lavender	Purple			
	Rose Pink	Shell Pink	White				
Above, separate colors.....					.25	.30	1.00
Mixed, all colors.....					.20	.25	.75



Regular American Asters (Continued)

						Tr. Pkt.	1/4 oz.	1 oz.
EARLY ROYALS. This class improves Queen of the Market in size and Stem. August 15-20.								
Lavender	Deep Rose	Azure Blue	Rose Pink	Purple	Shell Pink	White		
Above, separate colors.....						\$.25	\$.35	\$1.30
Mixed, all colors.....						.20	.35	1.20
KING TYPE. The pointed petals make this class highly attractive. Mid-September.								
Blackish Blue	Rose	Shell Pink	Violet					
Crimson	Lavender	Light Blue	White					
Above, separate colors.....						.25	.35	1.30
Mixed, all colors.....						.20	.35	1.20
CREGO, OR GIANT COMET. Large flowered with twisted or curled petals. Mid-September.								
Azure Blue	Cattleya (orchid)	Lavender	Rose Pink	Shell Pink	White			
Above, separate colors.....						.25	.35	1.30
Mixed, all colors.....						.20	.30	1.00
AMERICAN BRANCHING. The most popular and valuable all-around strain of American Asters. Ideally shaped for shipping. Mid-September.								
Azure Blue	Deep Rose	Shell Pink (Mary Semple)						
Rose Pink (lavender pink; extra fine commercial color)								
Lavender	Peach Blossom	Peerless Pink	Purple					
Sensation (finest brilliant red)		White						
Above, separate colors.....						.25	.30	1.00
Mixed, all colors.....						.20	.25	.75
IMBRICATED POMPONS. A small flowered class that is becoming increasingly popular. Mid-September.								
Light Blue	Rose	White	Violet					
Above, separate colors.....						.25	.40	1.50
Mixed, all colors.....						.25	.35	1.25
SINGLE CHINENSIS. Free-flowering, fairly dwarf singles. Valuable for house gardeners. Mid-September.								
Carmine Rose	Dark Blue	Marshall Joffre (dark scarlet)						
Flesh Pink	Lavender (or light blue)							
Above, separate colors.....						.15	.25	.75
Mixed, all colors.....						.15	.20	.65
THE SUNSHINE. Irregular petals with cushioned center. Provides variety in asters. Mid-September.								
	Pink	Lavender	Each			.25	.50	1.50
Mixed, all colors.....						.20	.40	1.25
AMERICAN BEAUTY. Fine size stem and form. The standard late class. September 20 and later.								
Rose	Azure Fairy	Dark Lavender						
Shell Pink	Peach Blossom	Purple	White					
Above, separate colors.....						.25	.50	1.50
Mixed, all colors.....						.25	.40	1.40
CALIFORNIA GIANTS. The "Late Giants" conclude the season. Extra large Crego type and non-lateral. October 1.								
Dark Purple	Deep Rose	Light Blue	Peach Blossom	Giant White				
Above, separate colors.....						.35	.75	2.50
Mixed, all colors.....						.35	.60	2.00
SUPER GIANT LOS ANGELES. Introduced this season as forerunner of an earlier and larger strain of Giants of California, pure shell pink						.50	1.25	4.00

Various Asters

BALL'S WHITE. The finest mid-season white aster.....	.35	.60	2.00
CALIFORNIA GIANT SUNSHINE MIXED. Of sunshine type on late Giant stems. Comes fairly true.....	.50	1.00	3.25
HEART OF FRANCE. Rich ruby red.....	.25	.40	1.40
SILVER ROSE. Selection from Heart of France. Color as named.....	.35	.50	1.60
BOLTZES DWARF BOQUET. About 10 in. double and choice for pots. Mixed colors.....	.25		1.50
Write for special prices on larger quantities than quoted.			
NEW GERMAN ASTER "JUGEND." (Youth). Chamois rose on a salmon ground said to be a glistening, iridescent color. A Victoria type of flower, extra double and mid-season. We have no information on its resistance to rot, but we believe this is worth a trial. Tr. Pkt. 25c: 5 packets \$1.00.			

Fine Petunias



Hybrid Bedding. Grandiflora Plain. Ball Fringed Mixture. Giants of California. Double Fringed.

THE MOST important point in growing petunias is the selection of proper varieties. Cultural details are simple enough; a fairly well enriched soil, a light open bed close to the glass, moderate temperature and proper spacing will grow good petunias, but the best of care is wasted if strains are not fairly true. It must be admitted that varieties or strains frequently disappoint and sometimes this is the fault of the seed grower. But we must remember that all seed grown plants, especially when highly bred, are difficult to maintain true. This applies especially to the Dwarf Giant Petunias. The past season we have checked the value of many strains of petunias in our trial grounds, and these comparisons have been valuable to us in determining the worth of existing strains and new varieties. Furthermore, we carefully inspect our seed crops in California and Europe. These advantages permit us to assure our customers that everything possible has been done by us to supply dependable strains of petunias. The loss of seed through careless sowing and after-care is sometimes a serious and an avoidable one. We issue a circular gratis covering the practical details of growing petunias starting with seed sowing. Shall we enclose it?

"All The Best" Standard Varieties

We have selected the following varieties from the various classes as our suggestion for the best, are also our heaviest sellers. It is a safe list throughout. The following five strains of California Giants are unexcelled for trueness to type, uniform habit and size of flowers. Please order these Giants by number.

No. 1. Ball Dwarf Giant Strain. Of ideal dwarf habit with large wavy edged open throat flowers in fairly dark mixtures. 80-90% true. Tr. Pkt. \$1.50; $\frac{1}{64}$ oz. \$2.50.

No. 2. Giants of California, Dwarf-Ramona Strain. This is a strain of true California Giants of distinctly dwarf habit. Largely dark shade. 70-80% true. Tr. Pkt. \$1.00; $\frac{1}{64}$ oz. \$1.75; $\frac{1}{32}$ oz. \$3.00; $\frac{1}{16}$ oz. \$5.00.

No. 3. Giants of California, Medium Dwarf. Of an ideal habit that might be preferred to the very dwarf type by some. On the dark side of color. 75-80% true. Tr. Pkt. \$1.00; $\frac{1}{64}$ oz. \$1.75; $\frac{1}{32}$ oz. \$3.00; $\frac{1}{16}$ oz. \$5.00.

No. 4. Giants of California, Dwarf habit. Light shades. Tr. Pkt. \$1.00; $\frac{1}{64}$ oz. \$1.75; $\frac{1}{32}$ oz. \$3.00; $\frac{1}{16}$ oz. \$5.00.

No. 5. Giants of California, Regular Strain. Of fairly tall habit; medium dark shades. Tr. Pkt. 50c; $\frac{1}{32}$ oz. \$1.40; $\frac{1}{16}$ oz. \$2.00.

Petunias—Standard Varieties (Continued)

"Victorious." The new **"Alldouble"** strain. The habit and mixture of attractive colors is ideal. We have tested small trials of it for the past two seasons and we are glad to state we found it 100% double including 20% semi-double. $\frac{1}{2}$ Tr. Pkt. \$1.00; Tr. Pkt. \$2.00; 3 packets \$5.00.

Alldouble Clear Pink. (new). We can say nothing about this strain from advance trials, but believe it to be a valuable alldouble strain. $\frac{1}{2}$ Tr. Pkt. \$1.00; Tr. Pkt. \$2.00.

Prince of Wuerttemberg. Giant dark crimson with black throat. Quite true to color, of giant size and semi-dwarf habit. Tr. Pkt. 75c; $\frac{1}{64}$ oz. \$1.50.

Ball Single Fringed Mixed. Of medium size grandiflora type, fairly compact habit and of exceptionally strong growth and free flowering. Fully 98% fringed. This season's stock will be found slightly darker than last years. Tr. Pkt. 50c; $\frac{1}{16}$ oz. \$1.50; $\frac{1}{8}$ oz. \$2.50; $\frac{1}{4}$ oz. \$3.75.

Fringed Royal Purple. The name well describes it. Our stock comes around 75% true and is good for this variety. Tr. Pkt. \$1.00; $\frac{1}{64}$ oz. \$2.00; $\frac{1}{32}$ oz. \$3.75.

Setting Sun. Brilliant rose pink, extra dwarf habit, 12 in. and richly fringed. See cut. Last season's novelty and comes only fairly true to type. Tr. Pkt. \$1.00; $\frac{1}{64}$ oz. \$2.00.

Improved Elk's Pride. The seed of this variety is from selected stock plants only and will be found a choice strain of Elk's Pride. Tr. Pkt. 75c; $\frac{1}{32}$ oz. \$1.50.

Dwarf Pink Glory. Flaming rose pink; exceptionally choice color and dwarf growth. A fair percentage of this comes true. Tr. Pkt. 75c; $\frac{1}{64}$ oz. \$1.50; $\frac{1}{32}$ oz. \$2.75.

Blue Perfection. Fairly compact, mid-blue. Extra free flowering and nice size. Tr. Pkt. 25c; $\frac{1}{4}$ oz. 75c; 1 oz. \$2.50.



Grandiflora type "Setting Sun". Extra fine for pots.

Celestial Rose. We found this variety in Germany the past season and in our trials it greatly improves Rose of Heaven. The color is a deeper rose and the growth more compact. We strongly recommend Celestial Rose, especially for growing in flats and bedding. Tr. Pkt. 50c; $\frac{1}{4}$ oz. \$1.00; $\frac{1}{2}$ oz. \$1.75; 1 oz. \$3.00.

Rosy Morn. One of the standard bedding petunias, fairly deep rose with large white throat. Tr. Pkt. 50c; $\frac{1}{2}$ oz. \$1.50; 1 oz. \$2.50.

Rose of Heaven. Bright deep rose, compact in growth and largely used for bedding. Tr. Pkt. 40c; $\frac{1}{2}$ oz. \$1.00; 1 oz. \$1.75.

Norma. Small violet blue with white star. The attractive starred effect does not vary. Very free flowering and compact growth. Tr. Pkt. 25c; $\frac{1}{2}$ oz. 80c; 1 oz. \$1.50;

Petunias—Standard List

Double Flowering. In addition to the "Alldouble" strains listed above, we offer the following:

Dwarf Strain. This is the strain we have been supplying; 35-40% double; compact growth and choice colors.

$\frac{1}{2}$ Tr. Pkt. 75c; Tr. Pkt. \$1.50; $\frac{1}{64}$ oz. \$4.00.

Medium Tall Strain. Produces about 60% double, large flowered.

$\frac{1}{2}$ Tr. Pkt. 75c; Tr. Pkt. \$1.50; $\frac{1}{64}$ oz. \$4.00.

Note: Double flowering plants in petunias are weaker than the singles. We believe the occasional low percentage of doubles reported with good strains is due to the weaker ones failing to germinate because of unfavorable conditions, also to dropping out after germinating, leaving an undue proportion of stronger singles.

Petunias—Standard List (Continued)

GIANT-FLOWERED — Medium Dwarf, Separate Colors.				Tr. Pkt.	$\frac{1}{64}$ oz.	$\frac{1}{32}$ oz.
German Empress. Bluish white, dark throat. Varies some in size but not in color. Very fine.....				\$1.50	\$1.50	\$2.75
Princess of Wuerttemberg. Rose pink, veined purple, dark throat. General effect medium light.....				.50	1.25	2.25
Giant Copper Red. Well named; produces a few color rogues, but a true giant				\$1.00	\$1.50	\$2.75
Harlequin. Coppery red spotted white. White spotting fairly dependable. Fine size.....				1.00	2.00	
GRANDIFLORA FRINGED.						
Pepita. Carmine and white, deeply frilled.....				1.00	1.50	
Theodosia. Large fringed pink, gold center; fine.....				.75	1.50	2.50
Pink Triumph. Clear fringed pink.....				.75	1.25	1.75
Romany Lass. Coppery crimson, dark throat.....				.50	1.25	
White Beauty. Large well fringed white.....				.50	.80	1.75
Pride of Portland. Deep rose pink.....				.50		1.25
Giant Steel Blue. Large, light blue, richly veined.....				.50		1.25
Fluffy Ruffles. A mixture of light and dark shades. Well fringed.....				.50	.80	1.50
GRANDIFLORA, Ruffled and Plain Edged.						
White Cloud. Compact, free-flowering, ideal for bedding or pot plants.....				.50	1.00	1.75
Violacea. Rich deep violet purple of fine size.....				.75	2.00	3.75
Pink Glory. Flame Rose pink, fairly compact and an exceptionally good bedder				.50	.75	1.40
Purple Prince. A good plain edge medium size purple.....				.25		.75
Elk's Pride. Choice velvety violet.....				.50	.75	1.40
Balcony Queen. Medium to large flower, violet purple with irregular white markings that are fairly constant.....				.50	.75	1.40
Queen of the Market. Deep carmine scarlet.....				.75	1.25	2.00
Kermesina. Extra large fine crimson.....				.75	1.25	2.00
BALCONY TYPE. A medium large flowered class valuable for porch or window boxes and bedding. The four choicest colors are: Blue, Rose, Crimson, White, Mixed. Each. Tr. Pkt. 25c; $\frac{1}{8}$ oz. 65c; $\frac{1}{2}$ oz. \$2.50; 1 oz. \$4.00.						
BALCONY ROYAL PURPLE (NEW). Velvety purple. Tr. Pkt. 35c; $\frac{1}{8}$ oz. 75c; 1 oz. \$4.50.						

DWARF HYBRIDA CLASS.

Erect and distinctly dwarf, 10-12 inches. The best in this class are:			
	Tr. Pkt.	$\frac{1}{4}$ oz.	1 oz.
Alderman.....	\$1.35	\$1.75	\$2.00
Blue Bird.....	.35	.75	2.50
Cockatoo.....	.35		
Dwarf Inimitable.....	.25	.40	1.50
Heavenly Blue. $\frac{1}{8}$ oz. \$1.00	.50		
Snowball.....	.25	.40	1.40
Special Hybrida Mixed.....	.25	.40	1.50

SMALL-FLOWERED HYBRIDAS.

	Tr. Pkt.	$\frac{1}{4}$ oz.	1 oz.
Alba.....	\$1.15	\$1.25	\$1.75
Blue Bee.....	.25	.40	1.50
Carmen Sylva.....	.20	.40	1.25
Countess of Ellsmere.....	.15	.25	.75
General Dodd's.....	.25	.40	1.50
Howard's Star Improved.....	.25	.40	1.50
Violet Gem.....	.25	.40	1.50
Lord Courtenay (Golden Rose)	.20	.30	1.00
Small-flowering Mixture.....	.15	.25	.75

CARNATION-FLOWERED. Rosy Morn (Semi-double). Tr. Pkts. 1000 seeds \$1.00. $\frac{1}{64}$ oz. \$1.75.

DIENER'S VARIETIES. We supply the following in originator's packets:

	Tr. Pkt.	$\frac{1}{64}$ oz.	$\frac{1}{32}$ oz.
No. 1 Ruffled Monster Pink.....	\$1.50	\$2.50	
No. 5 Red with dark center and veins.....	.50		
No. 8 Ruffled Monster Mixed.....	.50	2.50	\$4.00
No. 11 Blue, semi-dwarf.....	.25		
No. 14 Pink Glory. Flame rose-pink.....	.25		
No. 19 Giant Pink Glory. Improved Pink Glory.....	.50	2.50	4.00
No. 20 Mauve Ruffled Monster type.....	.50		
No. 22 Rose color. Improved Rosy Morn.....	.25		3.00
No. 47 Jumbo Mixture. A select Giant Mixture.....	1.00		

Please Note. The above varieties come direct to us from Diener in his original packets.



SWEET PEAS Late or Summer Flowering

THIS class will flourish profitably in most sections of America if properly managed. They weaken under very hot weather so we should get the crop before such weather sets in, which means an early start. This is very important. We sow in the greenhouse about February 15, grow on in 3 inch pots and plant out early, about April 20. Heavily enrich the soil, water thoroughly when necessary, and it is most important to keep down aphids. No retail grower should be without a row of these peas and every wholesale market wants them throughout June,—the month our very early crop flowers outdoors.

Ambition. Finest deep lavender.

Austin Frederick Improved. Large rosy lavender.

Avalanche. Finest white-seeded white.

Beatall. Sparkling pink, suffused salmon.

Blue Bird. The finest clear blue.

Blue Flame. Extra large strong dark blue.

Campfire. Sunproof deep scarlet.

Commander Godsall. Deep violet-blue.

Constance Hinton. Best black-seeded white.

Crimson King. Fine sunproof crimson.

Debutante. Soft salmon shaded peach-pink.

Doreen. Large rich carmine.

Elfrida Pearson. Clear light pink.

Fluffy Ruffles. Cream-pink.

Giant White. Pure white.

Gleneagles. Clear even lavender.

Hawlmark Lavender. Finest light lavender.

Hawlmark Pink. Rose-pink shaded salmon.

Heavenly Blue. Delphinium-blue.

Hebe. The finest large rose-pink.

Hercules. Standard deep rose-pink.

Hero. Cerise.

Magnet. An improved Miss California.

Mary Pickford. Fine cream salmon-pink.

Matchless. Clear deep cream.

Miss California. Large salmon-rose.

Mrs. Cuthbertson. Pink and white; bicolor.

Model. Best black-seeded white.

Pinkie. The finest rose-pink; strong grower.

Powerscourt. Finest lilac-lavender.

Royal Purple. Large rich purple.

Royal Scot. Sunproof orange-scarlet.

Supreme. Soft, delicate pink.

The Clown. Crimson marking, white ground, novelty color.

Warrior. Deep bronze-maroon.

Welcome. Deep bright scarlet; sunproof.

Youth. Light Picotee pink.

All above at: 1 oz., 20c; 4 oz. 50c; 1 lb., \$1.75.

BONNIE BRIAR

Sparkling rose pink suffused with amber. The amber shading becomes particularly effective under artificial light.

1 pkt., 20c; 6 pkts., \$1.00.

MASTERCREAM

Black seeded. Extra large, clear rich cream color, producing a large percentage of duplexed flowers. This is a real cream colored sweet pea.

1 pkt., 25c; 5 pkts., \$1.00.

LADY RUFFLES

Large ruffle flowered, soft pink on white ground. Very choice.

Tr. pkt. 25c, 1/2 oz. 60c;
1 oz. \$1.00.

Our Florists' Mixture. This is a carefully balanced mixture of colors largely called for in cut flower work. 1 oz., 15c; 4 oz., 50c; 1/2 lb., 85c; 1 lb., \$1.65.

"PROFIT IN SUMMER PEAS", a recently written circular on successful growing methods and best commercial varieties of Late Peas. Shall we enclose it?



West Chicago, Ill.

SWEET PEAS Early or Winter Flowering

THIS class can be sown for greenhouse flowering as late as February 15 in our latitude. This sowing will not be so long stemmed as will an earlier one, but will get into a heavy crop for Mother's Day and into June. In Florida this class is used entirely for mid-winter flowering; in our northern border states and Canada they hold up well through most summers with the valuable advantage of flowering earlier than the regular late class. We are extensive growers of Winter Peas for market. We try to give you our experience with this crop in special circulars and our Red Book.

	1/2 oz.	1 oz.	4 oz.	1 lb.
Amethyst. Rich bright purple.....	\$0.25	\$0.40	\$1.25	\$4.50
Apollo. Salmon-cerise, long stemmed.....	.25	.40	1.25	4.50
Aurora. Orange-scarlet striped.....	.25	.40	1.25	4.50
Ball's Blue. Free-flowering blue.....	.25	.40	1.25	4.50
Ball Orange. Finest orange.....	.30	.50	1.35	5.25
Ball Rose. The finest rich deep rose.....	.25	.40	1.25	4.75
Ball Rose Improved. Extra rich deep rose.....	.30	.50	1.40	5.50
Ball Rose Queen. Extra long-stemmed rose-pink.....	.25	.40	1.25	4.50
Blue Bird. Mrs. Hoover is better.....	.25	.40	1.25	4.50
Blue Jacket. Dark blue.....	.25	.40	1.25	4.50
Bright Light. Vivid orange-scarlet.....	.25	.40	1.25	4.50
Burpee's Orange. Lighter shade.....	.25	.40	1.40	5.00
Cattleya. (new). Attractive rosy lilac.....	.60	1.00	3.00	10.00
Chevalier. Dark rose.....	.25	.40	1.25	4.50
Columbia. Pink and white bicolor.....	.25	.40	1.25	4.50
Eldorado. Light orange.....	.25	.40	1.25	4.50
Fascination. Attractive cream-pink.....	.25	.40	1.25	4.50
Flamingo. Orange-salmon.....	.25	.40	1.25	4.50
Fragrance. Orchid-lavender.....	.30	.50	1.60	6.00
Giant Rose. Well named.....	.25	.40	1.25	4.50
Glitters. Early Pride much better.....	.25	.40	1.25	4.50
Gorgeous. Cerise.....	.25	.40	1.25	4.50
Grenadier. Poppy-scarlet.....	.25	.40	1.25	4.50
Harlequin. Bicolor chocolate.....	.25	.40	1.25	4.50
Harmony. Finest lavender.....	.25	.45	1.25	4.75
Heather Bell. Rosy lavender.....	.25	.40	1.25	4.50
Hope. Very fine white.....	.25	.40	1.40	5.00
Indigo Blue. Dark shade.....	.25	.40	1.25	4.50
Jeanne Mamitsch. Long-stemmed rose.....	.25	.45	1.25	4.75
Laddie. Extra long-stemmed rose.....	.25	.40	1.40	5.00
Lavanda. Clear lavender.....Tr. Pkt. 50c	.90	1.50	5.00	15.00
Majestic Rose. Rose-pink.....	.25	.40	1.25	4.50
Maroon Prince. Dark maroon.....	.25	.40	1.25	4.50
Meadow Lark. Cream.....	.25	.40	1.25	4.50
Miss Spokane. Bright red.....	.25	.40	1.25	4.50
Mrs. Coolidge. Salmon-pink.....	.25	.40	1.25	4.50
Mrs. Holscher. Very good rose-pink.....	.25	.40	1.25	4.50
Mrs. Hoover. Extra long-stemmed blue.....	.25	.45	1.25	4.75
Mrs. Kerr. Salmon.....	.25	.40	1.40	5.00
Pink Profusion. Rose-pink.....	.25	.40	1.25	4.50
Pride. Early long-stemmed deep cerise.....	.30	.50	1.40	5.00
Red Bird. Crimson-red.....	.25	.40	1.25	4.50
Snowstorm. Prefer black-seeded kind.....	.25	.40	1.25	4.50
Springsong. Large rich salmon-pink.....	.25	.40	1.25	4.50
Sunray. Light cerise.....	.25	.40	1.25	4.50
Superior Pink. Deep rose; Ball Rose is superior.....	.25	.40	1.25	4.50
Torch. Salmon-orange.....	.25	.40	1.25	4.50
Valencia. A good orange.....	.25	.45	1.40	5.00
Vogue. Lavender with blue shading.....	.25	.40	1.25	4.50
Vulcan. Prefer Early Bright Light.....	.25	.40	1.25	4.50
White Harmony. Extra long-stemmed.....	.25	.45	1.40	5.00
Zvolanek's Rose. Laddie is much better.....	.25	.40	1.25	4.50
Mixed.....	.20	.35	1.10	4.00

BALL Non-Branching Stocks

This class is safely sown up to February 20 in our latitude, flowering around June 1.

NON-BRANCHING strains of Stocks were developed years ago but found little favor among American cut flower growers because they lacked the true non-branching habit and close spacing of flowers. Some colors offered today remain very much so. We early recognized the possibilities in this type and set to work improving them. Our well known strain of Lilac Lavender was the original result of this work. We next offered our strain of "Ball White," extra long-stemmed and lightly tinged pink. Next followed a strain of Chamois Pink, an attractive golden rose pink. Ruby, a rich crimson is our fourth variety of this unapproachably fine class of Stocks. But it seems we have to reckon with the law of compensation in whatever we grow.

The growth of this class being confined to one stem, the seed production is of course limited, especially in the outdoor seed growing districts. We have tried producing it under glass, but find excessive temperatures occasionally damage the crop. We are doing all we can to work out this problem, but the cost of the seed must always be greater than that of the Branching kind.

We offer freshly harvested seed of good germination of the following four Non-branching colors.

Lilac Lavender
Ball's White

Chamois Pink
Ruby

Tr. Pkt.
Full 1000 seeds 1/4 oz. 1 oz.

Prices, separate colors	\$1.00	\$2.50	\$9.00
Mixed, all colors . . . . .	.75	2.25	8.00

No price reduction on larger quantities.





BRANCHING Stocks

THE rich color, pleasing fragrance and fine stems that are combined in Stocks leaves them an indispensable item for any retail grower. And for market growing we have found them more profitable than most of the minor crops. They are called for in large quantities throughout May and June and a January or early February start will hit these months. They do equally well on a raised or ground bed at this late season and will stand a well enriched soil. In growing the branching kind for market most growers space them closely as recommended for the Non-branching kind and run them up without topping. Where shorter stemmed flowers in greater number are wanted, spacing about 6 x 8 in. and topping at 5 or 6 in. will be found a better plan. Our "Ball Red Book" furnishes details on the growing of stocks that might interest you further.

*Best cut flower colors are starred.

IMPROVED BISMARCKS

- *Rose. Fine standard color.
 - Flesh. Delicate shade of pink.
 - *Lavender. Fine standard color.
 - *Chamois. Choice market color.
 - *Golden Ball. Clear ivory-yellow.
 - *White, Early. Clear white.
 - Apple Blossom. Light pink.
 - *Lilac. Lilac-lavender.
 - Blood Red.
- | | | | | |
|------------------------|----------|---------|---------|---------|
| | Tr. Pkt. | 1/8 oz. | 1/4 oz. | 1 oz. |
| Prices separate colors | \$.35 | \$.50 | \$ 1.00 | \$ 3.00 |
| Mixed, all colors... | .25 | .35 | .60 | 2.25 |
- Elks Pride. Royal Purple. Rich deep purple.
 - Antique Copper. A fine copper-red.
 - Golden Rose. Light rose.
 - Buttercup. Deep yellow strong growth.

	Tr. Pkt.	1/8 oz.	1/4 oz.	1 oz.
Prices, Each	\$.50	\$ 0.75	\$ 1.25	\$ 4.00

*Santa Maria. A giant new pure white; long-stemmed habit with very vigorous growth and good percentage of doubles. Tr. Pkt. 50c; 1/4 oz. \$1.50; 1 oz. \$5.00.

TEN WEEKS

This class is of compact branching habit, ideally suited for pot plants or bedding, but not for cut flowers. Produces a high percentage of doubles.

- Blood Red. Deep Rose. Canary Yellow. Purple.
 - Lavender. White. Carmine Pink.
- | | | | | |
|------------------------|----------|---------|---------|---------|
| | Tr. Pkt. | 1/8 oz. | 1/4 oz. | 1 oz. |
| Prices, Each | \$.25 | \$ 0.40 | \$ 0.75 | \$ 2.50 |
| Mixed, all colors... | .25 | .35 | .50 | 1.75 |

PERPETUAL BRANCHING

(Giant Perfection).

- *Rose. A clear even shade.
- Sapphire. Violet or dark lavender.
- *May Queen. Lavender or pale blue.
- Snowdrift. Fine clear white.
- Princess Alice. Early White.
- La France. Blush, nearly white.
- *Heatham Beauty. Terra cotta rose, very fine.
- *Empress Augusta Victoria. Silver-lilac and very fine.
- Blood Red. Not a standard market color.
- Dark Blue.
- Light Blue.

	Tr. Pkt.	1/8 oz.	1/4 oz.	1 oz.
Prices, Each	\$.25	\$ 0.40	\$ 0.75	\$ 2.25
Mixed, all colors..	.25	.35	.60	2.00

BEAUTY OF NICE

- Mont Blanc. Clear, extra early white.
- Monte Carlo. Rich canary-yellow.
- *Aurora. Golden buff, fine.
- Belle de Naples. Rich old rose.
- Salmon King. Strong salmon-rose.
- Beauty of Nice. Flesh-pink.
- *Cote D'Azure. Light or lavender-blue.
- Summer Night. Early purple.
- Carmine Rose. (Abundance.)
- Blood Red.
- Sou. de Monaco. Best crimson, late.
- American Beauty. Deep rose, tends to come blind under glass if planted late.
- *Queen Alexandra. Rosy lilac, fine.

	Tr. Pkt.	1/8 oz.	1/4 oz.	1 oz.
Prices, Each	\$.25	\$ 0.40	\$ 0.75	\$ 2.25
Mixed, all colors	.25	.35	.60	2.00

"All annual stocks are safely sown up to February 20 in our latitude."

BALL Calendula

Our Original Stock
is put up only
in OUR packets

WE ORIGINATED and released the BALL CALENDULA 12 years ago. Through single plant selections made annually in our greenhouses we not only maintain its fine standard, but are improving it, and we are going to continue doing so.

Our latest is the long-stemmed orange MASTERPIECE. The dark center brightens it and we believe it is the best orange. GOLD is an extra long stemmed deep golden yellow; very fine. But for this color you might prefer our BALL'S LEMON QUEEN, not quite so deep in color or long stemmed, but dark centered — an effective touch. Our LONG ORANGE is a light centered, large, long-stemmed orange. SUPREME when well grown in a deep bed as Calendula should be, this dark centered orange is a richly effective color. A trifle more compact in habit and freer flowering than the others. SENSATION was introduced by a competitor after we released Long Orange. It was supposed to be shaded crimson. We find the two identical, but some of our friends claim to find crimson in Sensation so we list it. Our APRICOT is a rich straw color dark centered, medium long stemmed. Adds a pleasing variety, but not wanted in quantity. Our WHITE is a dark centered light cream, rather short stemmed valuable for bedding.

PRICES: Masterpiece, Gold, Ball's Lemon Queen, Long Orange, Supreme, Sensation; Apricot, White.

Tr. Pkt. 50c; $\frac{1}{4}$ oz. 75c; 1 oz. \$2.50; 2 oz. \$4.00; 4 oz. \$7.00.

Our Ball Florist Mixture is made up entirely of our best cut flower varieties, fully half orange, and is suggested for the retailer wanting small lots of each color. Tr. Pkt. 40c; $\frac{1}{4}$ oz. 60c; 1 oz. \$1.75.

The most profitable greenhouse calendula crop is the one flowered in mid-winter but a winter sowing will produce freely during spring. If you are not familiar with growing Calendula our BALL RED BOOK might be of service to you.



Ball Lemon Queen (Dark Center).

SUNSHINE, the new English variety is a loose petalled bright yellow, not double enough for cut flowers, long-stemmed and of some value for outdoor work.

PASTEL SHADES MIXTURE very choice. On light side for color and compact habit. Just what you want for a bedding mixture of gay colors. **See below for prices on above two items.**

Ordinary Calendula

Radio. Bright orange with quilled petal effect when fully developed. Not long enough stemmed for cutting, but fine for bedding.

Radio Golden Beam. A clear yellow Radio.

Orange King. Dark centered orange of compact growth and valuable for bedding only.

Lemon Queen. Light or lemon yellow. For outdoor work only.

Nankeen. Cream flushed apricot. Dwarf.

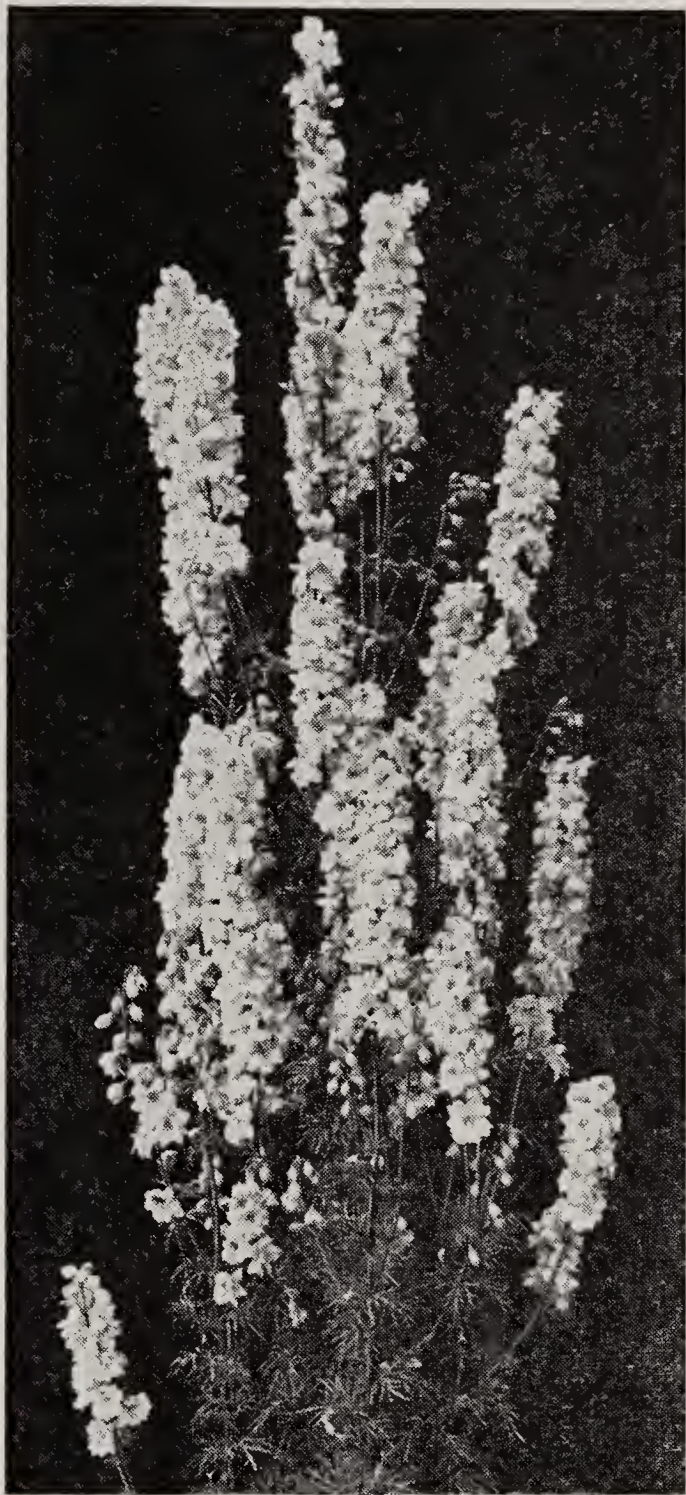
Trianon. Yellow striped orange; dark center. Dwarf.

PRICE ON THE ABOVE: including Sunshine and our Pastel Shades Mixture:
Tr. Pkt. 25c; 1 oz. 75c; 2 oz. \$1.25.

Annual Larkspur

THIS is a big cut flower crop for both in and out doors and usually it is a profitable one. A January sowing grown in a 50° house comes in for late April and May. Their long spikes and foliage make them fine for decorative work and all the colors are attractive. The various pink shades are especially wanted though the Light Blue and Lilac are choice.

The Base Branching, also known as Imperial and Spiral class, improve the original Stock-flowered in being longer stemmed. The Hyacinth class produce but one long non-branching flower spike. They do well on a raised or shallow bed but are hollow stemmed and soft on a deep ground bed unless planted late. Our greenhouse crops of larkspur keep us in direct touch with the value of varieties and colors. You will find this experience reflected in the varieties offered. Such as we find the choicest are starred *.



"Miss California"

BASE BRANCHING, or Giant Imperial.		Liberal Tr. Pkt.	1 oz.	1 lb.
Daintiness. Light Lavender		\$.25	\$1.25	\$14.00
Gloria (new). Rich deep rose . . . . .		.25	1.25	15.00
*Miss California. Rich deep pink suffused salmon. . . . .		.25	1.25	15.00
*Carmine King. Highly attractive carmine-rose. . . . .		.25	1.25	14.00
Exquisite Pink Improved. Rich soft pink. . . . .		.25	.75	10.00
The Empress. Salmon-pink. . . . .		.25	1.00	10.00
*White Spire. A fine white. . . . .		.25	1.00	12.00
Blue Bell. Azure Blue . . . . .		.25	.75	10.00
Blue Spire (new). Rich Oxford-blue. . . . .		.25	1.25	12.00
Mixture of all varieties. . . . .		.25	1.00	
TALL DOUBLE STOCK-FLOWERED TYPE.				
Rosamond. (new). Deep rose. . . . .		.25	1.25	15.00
*Los Angeles. Rosy salmon-pink. . . . .		.25	.75	10.00
Empress Rose. Fine pink. . . . .		.25	.75	7.00
La France. Salmon-pink. . . . .		.25	.65	7.00
Dark Blue, Sky Blue, Rosy Scarlet, *Lilac, White	Each	.20	.60	5.00
Mixture of all varieties. . . . .		.15	.35	4.00
GIANT HYACINTH-FLOWERED.				
*Pink, *Dark Blue, Purple, Lilac, White.	Each	.25	.80	
Mixed, all colors. . . . .		.25	.80	



ZINNIAS

Our seed business being exclusively with florists, we sell only Bodger grown Zinnia seed.

Wherever summers are hot, Zinnias have real florist value.

BOTH for cutting and selling young plants from pots or flats, Zinnias are necessary to every retail grower and when well grown they are generally profitable for a market grower. But remember they flourish only in a warm temperature. This applies particularly to the germination of the seed, that will rot in a cold wet soil. If sown March 1, planted in a carnation house around April 1, they will flower for Mother's Day and through June. We sow directly outdoors about mid-June for a summer crop. If sown rather thick in rows 10 in. apart in a cloth house they will produce choice long-stemmed flowers. Like Asters, Zinnias are not suited to winter forcing because of lack of enough sun.

We gladly send you gratis a circular that details the practical points in growing Zinnias. You will also find them dealt with in your "Ball Red Book."

The finest classes are the Dahlia-flowered and the Mammoth. For cutting and bedding purposes the Lilliput type is valuable. For spring forcing under glass the fiery cerise pink "Early Wonder" we find especially valuable both for color and early flowering.

DAHLIA-FLOWERED VARIETIES. Generally accepted as the finest type of modern Zinnias. We confine our list to the choicest colors.

Canary Bird. A delicate primrose-yellow.

Crimson Monarch. Very large crimson-red.

Dream. A fine deep lavender.

Golden State. A very rich orange-yellow.

Golden Dawn. Golden yellow of immense size with dark center.

Oriole. Orange and gold. This and Exquisite our choice for cutting.

Old Rose. Real old rose shade; very fine.

Purple Prince. Very large deep purple.

Polar Bear. A very large white.

Illumination. Deep rose-pink.

Exquisite. Fine light rose.

	Tr. Pkt.	1/4 oz.	1/2 oz.	1 oz.	1 lb.
Prices, separate colors.....	\$0.25	\$0.40	\$0.75	\$1.25	\$12.00

Special Gold Medal Mixture. This is a combination of the above named varieties. Nothing but true Dahlia-flowered varieties in this mixture.....	.25	.35	.60	1.00	10.00
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SPECIAL OFFER: One trade packet each of above 11 varieties for \$2.50.

Early Wonder. Salmon-cerise-pink. An extra early-flowering class. Medium size flowers with fairly strong growth. Fine for early forcing.

Tr. Pkt. 25c; 1/4 oz. 75c; 1/2 oz. \$1.25; 1 oz. \$2.00.



ZINNIAS—Continued

GIANT MAMMOTH TYPE. For size and general effect, this group, in our estimation, deserves more attention. The flower petals tend to fold back more uniformly than in the Dahlia-flowered type, giving a general effect which is not improved upon by any class.

Cerise Queen. Very choice cerise-rose.

Miss Willmott. Soft pink.

Golden Queen. (Lemon Queen). Same as Golden Dawn. Very fine.

Brightness. Extra bright deep rose; comes fairly true to color.

Lavender Gem. Same as Dream in the Dahlia-flowered class.

Orange King. Similar in color to our Ball Orange calendula.

Scarlet Gem. Best real scarlet in this group.

Purity. A very good clean white.

Rose Queen. Striking bright rose.

	Tr. Pkt.	¼ oz.	½ oz.	1 oz.	1 lb.
Prices, separate colors.....	\$.25	\$.35	\$.60	\$1.00	\$11.00
Mixed, all colors.....	.15	.30	.50	.85	10.00

SPECIAL OFFER: One trade packet each of above 9 varieties for \$2.00.

COLOSSAL, OR NEW GIANTS. Not so large as the Giant Mammoth class, but of fair size, full petalled and vigorous growth.

Apricot Yellow.

Golden Yellow.

Burnt Orange.

Bright Rose.

Ruby Red.

Light Salmon.

	Tr. Pkt.	1 oz.	1 lb.
Prices, separate colors.....	\$.25	\$.75	\$8.00
Mixed, all colors.....	.20	.65	7.00

DWARF, OR PUMILA. Of medium size, fine for bedding and useful for cutting.

Fire Ball. Very bright scarlet.

Golden Yellow.

Canary Yellow. **Salmon Rose.** Extra choice for cut flowers.

	Tr. Pkt.	1 oz.
Prices, separate colors.....	\$.20	\$.50
Mixed, all colors.....	.15	.40

LILLIPUT, OR SMALL-FLOWERED. This is the button, or pompon type, being about the size of a pompon mum. Valuable both for bedding and cutting. The cut flower demand generally chooses the very large or this very choice button type.

Don't miss it.

	Tr. Pkt.	½ oz.	1 oz.	1 lb.
Golden Gem, Salmon Rose, Purple, Scarlet Gem, each.....	\$.20	\$.40	\$.75	\$8.00
Mixed, all colors.....	.15	.35	.60	7.50

SPECIAL OFFER: Trade packet of each of the 4 Lilliput varieties 70c.

Picotee Zinnia "Delight." This new class is of medium size with part of the petals ruffled or curled. Attractively shaded light to dark salmon pink. Comes fairly true to its type.

Tr. Pkt. 25c; ½ oz. 85c; 1 oz. \$1.50.

Picotee Mixed. Fine mixture of this ruffled or curled type.

Tr. Pkt. 25c; ½ oz. 75c; 1 oz. \$1.25.

Crown O'Gold. Each petal of the flower of this new zinnia is overlaid with golden yellow at the base while carrying out the individual flower color at the tip. An original color break in Zinnias.

Tr. Pkt. 25c; ¼ oz. 40c; ½ oz. 85c; 1 oz. \$1.50.

New Haagaena Mexicana Hybrids. Double mixed. Small-flowered dwarf; largely used for border work with some cut flower value.

Tr. Pkt. 25c; ½ oz. 80c; 1 oz. \$1.50.

Scabious Flowered (new). Medium size, resembling annual scabiosa. Fairly true to type. Mixture of colors.

Tr. Pkt. 40c; ½ oz. \$1.75; 1 oz. \$3.00.



West Chicago, Ill.

SNAPDRAGONS

THE production of forcing or winter snapdragon seed is one of our leading specialties. We do everything that can be done to assure it being true to color, for we fully appreciate the loss, especially to a market grower, in a broken up lot of colors. As far as we can do so we carry a season's supply of seed in advance. This enables us, through flowering trials in our greenhouses, to know exactly what we are selling you. We continue to have a supply of seed produced in 1932 of Afterglow, Rose Queen, Sun Tan, Cheviot Maid Supreme, and New Cincinnati. We know from extensive planting and selling of this seed exactly what it is. In no other way can we be assured of this. We shall continue to do everything that can be done to merit the increasing confidence placed in us by buyers of forcing snapdragon seed. We issue a circular that details our method of growing this crop and we will be glad to send you a copy gratis. We find the following to be the twelve best varieties today:

	Tr. Pkt.	3 Pkts.	5 Pkts.
Rose Queen. Finest deep rose-pink.....	\$1.00	\$2.50	\$3.50
New Cincinnati. The finest light rose.....	1.50	4.00	6.50
Cheviot Maid Supreme. Best fairly deep rose.....	1.00	2.50	3.50
Jennie Schneider. Light rose — not extra early.....	1.00	2.00	3.00
Winter Helen. Improved Helen.....	1.50	4.00	6.50
Afterglow. Finest golden orange.....	1.00	2.50	3.50
Sun Tan. Orange-tan — extra early.....	1.00	2.50	3.50
Roman Gold. Bright coppery yellow.....	1.00	2.50	3.50
Ceylon Court. Standard earliest yellow.....	1.00	2.50	3.50
Coate's Yellow Perfection. Finest deep yellow.....	1.50	4.00	6.50
Lucky Strike. New white. Plant early for winter flowering.....	1.50	4.00	
Velvet Beauty (new). American Beauty red — early flowering.....	2.00		

The following are also winter-flowering:

Cheviot Maid. Yoder Strain. Light shade.....	1.00	2.50	3.50
Cheviot Maid. Original Strain.....	1.00	2.00	3.00
Winter King. Free-flowering pink, not extra early.....	1.00	2.50	3.50
Alice Sunshine.....	1.50		
Terry's Surprise. Rich golden orange, shaded rose.....	1.50	4.00	6.50
Sunshine. Golden yellow, not extra early.....	1.00	2.50	3.50
White Rock. Standard white, tall.....	.50	1.25	2.00
Milady. Murphy's new pink.....	1.00		
Happiness. Long-stemmed rose-pink.....	1.00	2.25	3.00
Allman's Pink. Silvery rose-pink.....	1.00	2.50	3.50
Geneva Pink. Rich clear pink.....	.50	1.25	2.00
Philadelphia Pink. Standard pink.....	1.00	2.50	3.50
Chapman's Pink. Deep rose.....	1.00	2.50	3.50
Judd's Light Pink. Rather dwarf.....	1.00	2.50	3.50
Judd's Dark Pink. Deep rose.....	1.00	2.50	3.50
Laura. Deep rose.....	1.00	2.50	3.50
Mohr's Pink. Deep rose-pink.....	1.00	2.50	3.50
Orlando. Bronze.....	1.00	2.50	3.50
Golden Pink Queen. As named.....	1.00	2.50	3.50
Improved Sunburst. As named.....	1.00	2.50	3.50
Helen. Salmon-rose.....	1.00	2.50	3.50
Kirkwood Beauty (new) Bronze.....	2.00		

Write us for quantity quotations on above.

Ball Florist Mixture. Our special winter-flowering mixture. Contains fully half the best pinks with balance in yellow, white and orange. We suggest this where a limited amount of all colors are wanted.

Tr. Pkt. 75c; 3 Pkts. \$2.00; 5 Pkts. \$3.00.

Ruddy Glow. (new). Of ideal dwarf bedding habit; early flowering. Light orange. Choice, Tr. Pkt. 25c; 1/8 oz. 75c.

Standard varieties for outdoor planting — not early flowering.

Half-dwarf varieties:

Flame. Climax. Mixed.
Gloria. Fawn.

Half-tall varieties:

Empress. Velvety crimson.
Harmony. Rose with yellow center.
Orchid. Lavender-mauve.
Golden Queen. Deep yellow
Purity. Pure white.
His Excellency. Brilliant orange-scarlet.
All above priced at: Tr. Pkt. 25c; 1/4 oz. 50c.

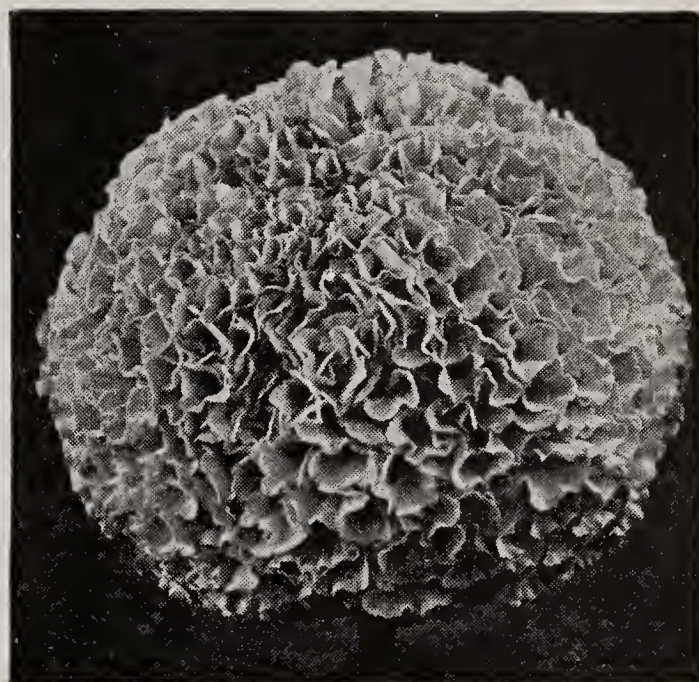
Majestic varieties: Extra large bold flowers with compact late-flowering growth.

Majestic Twilight. Golden tan-yellow.
Majestic Golden Dawn. A glorified Afterglow.
Majestic Orange King. Bright orange.
Price: Tr. Pkt. 40c; 3 Pkts. \$1.00.

Maximum type: Extra strong growers.

Canary Bird. Light yellow. Cattleya. mauve-pink.
Copper King. Heavy coppery red.
Ruby. Rich heavy red. The Rose. Clear rose.
Snowflake. White. Mixed.
Price: Tr. Pkt. 35c; 1/4 oz. 60c.

MARIGOLDS



"Alldouble" Orange

THERE is a considerable amount of cut flower business in the Giant African type of marigold. With plenty of water and deep, rich soil they flourish outdoors. But it is in the greenhouse during April and May that they are at their best. For this crop we sow about mid-January. After Valentine's day, we transplant them, 3 or 4 inches apart, into flats, spacing them 3 x 4 inches. Unless the roots are confined in shallow soil, the growth will become rank and will not set buds. Fuller suggestions on the handling of this crop will be found in our "Red Book." The showy value of Legion of Honor and Robert Beist for bedding or border work is not generally appreciated. If started early, they can be starved into flower in small pots and sell well. Legion of Honor is best for this. And don't overlook the decorative and cut flower value of Guinea Gold.

Giant African Type

"Alldouble" Orange. Of the three strains of this class, we believe this the best. Produces a small percentage of singles and some semi-doubles; a very satisfactory proportion of good doubles.

"Alldouble" Lemon. Lemon or light yellow strain of "Alldouble" Orange.

Prices on above: Tr. Pkt. 40c; 1/2 oz. \$1.00; 1 oz. \$1.75; 1 lb. \$20.00.

Orange Ball. Regular tall African strain.

Lemon Ball. Same as above in lemon color.

Tr. Pkt. 25c; 1/2 oz. 60c; 1 oz. \$1.00; 1 lb. \$10.00.

Prince of Orange. This is a well developed *Fistulosa* type. The doubles are in good proportion and are extra large and full, few semi-doubles, some real singles.

Lemon Queen *Fistulosa* Type. Same as Prince of Orange in lemon color.

Prices on above 2 items Tr. Pkt. 40c; 1/2 oz. \$1.00; 1 oz. \$1.75; 1 lb. \$20.00.

Guinea Gold. Medium size flowers. Bright golden orange with good stems for cutting. The semi-double flowers are very freely produced, giving it extra value for garden decoration.

Tr. Pkt. 25c; 1/4 oz. 45c; 1 oz. \$1.50; 4 oz. \$5.00.

Dwarf Double French: Monarch Strain. New. Compact habit with a choice range of orange, bronze, yellow and mahogany shades. Tr. Pkt. 25c; 1 oz. \$1.00.

	Tr. Pkt.	1 oz.
Tall French: Josephine. Small single rich dark brown flowers with some value for cutting	\$.20	\$.60
Tall French: Mixed Colors.....	.20	.50
Dwarf French: Robert Beist. A strikingly rich shade of dark reddish brown. Medium tall and effective for outdoor work.....	.20	.60
Dwarf French: Legion of Honor. Single red and yellow combination. Dwarf and extra valuable for bedding or pots. Don't miss it.....	.20	.50
Dwarf French: Double Golden Ball. Golden yellow.....	.15	.50
Signata Pumila. About 10 inches. Fine for edging. Covers itself with small golden yellow flowers.....	.15	.75
Lilliput. 8 inches. Mixed, all colors.....	.15	.75



Choice Pansies

WE ANNUALLY carry out flowering trials of pansies from all reputable specialists of Europe and America. These trials are invaluable to us in determining the best sources of supply. With the help of this first hand information we use the same care with our list of pansies that we do with the various specialties we are known for. Fine pansy plants for spring sales are produced from seed sown in January. Your "Ball Red Book" gives details on the management of pansies that might interest you.

Ball Giant Mixture. This is a long-stemmed mixture of fancy and original colors. The general effect is a bright live one. We recommend this as the best all purpose strain on our list.
Tr. Pkt. 50c; 1/4 oz. \$1.75; 1/2 oz. \$3.25; 1 oz. \$6.00.

Maple Leaf Giant Mixed. The largest-flowering strain of Pansies. Exceptionally strong, heavy growth enables them to hold out well into the summer.	Tr. Pkt.	1/4 oz.	1/2 oz.	1 oz.
	\$1.50	\$2.50	\$4.50	\$8.00
Super Maple Leaf Giants. A selection for extra strong growth and large flowers. The last word in Giants. . . . .	.75	3.75	6.75	12.00
Improved Swiss Giants. A choice strain with original and bright colors. Excellent for size stem and free flowering habit. . . . .	.50	1.75	3.25	6.00
Super Swiss Giants. A selection for richer coloring and size. . . . .	.75	2.75	5.25	10.00
Roggli Giant Mixture. A very choice strain of large flowering fancy Pansies especially attractive. . . . .	.50	1.50	2.50	4.80
Steele's Masterpiece. An excellent all-purpose American strain. . .	1.00	2.75		10.00
Englemann's Special (new). In our past season's trials this strain scored highest for attractive coloring and ideal habit for bedding. Practically all 5 blotched, reddish shades.	1.00	3.50	5.75	10.00

Named Colors Selected from Swiss Giants

- Alpenglow.** Improved Cardinal Garnet. Red. Tr. Pkt. 50c; 1/8 oz. \$1.00.
Rhinegold. Yellow with brown blotches. Tr. Pkt. 50c; 1/8 oz. \$1.00.
Lake of Thun. Blue with dark center. Tr. Pkt. 50c; 1/8 oz. \$1.00.

Other Well Known Bedding Varieties.

- Golden Queen.** Nearly 100% clear yellow. Tr. Pkt. 25c; 1/2 oz. \$1.00.; 1 oz. \$1.75.
Lord Beaconsfield. The standard blue for bedding. Tr. Pkt. 25c; 1/2 oz. 80c; 1 oz. \$1.50.
Snow Queen. Pure white. Tr. Pkt. 25c; 1/2 oz. 80c; 1 oz. \$1.50.

Viola Cornuta

A miniature race of pansies, effectively used for bedding. We feel sure Violas deserve more attention for this purpose. Nearly all varieties come quite true to color.

	Tr. Pkt.	1/4 oz.	1 oz.
Apricot. Light orange-yellow.	1/8 oz. \$1.00	\$1.75	\$6.00
Black Prince. . . . .	.25	.50	1.75
G. Wermig. Rich violet-blue.	1/8 oz. \$1.25	2.00	7.00
Puck. Yellow and violet.	1/8 oz. .50	.35	2.00
Jersey Gem. Dark blue.	1/16 oz. 1.25	.75	4.00
Mauve Queen. . . . .	.35	.50	1.75
Papilio. Blue and white. . . . .	.35	.50	1.50
White Perfection. . . . .	.35	.50	1.75
W. H. Woodgate. Bright violet.	1/8 oz. \$1.50	.50	
Lutea Splendens. Golden yellow. . . . .	.25	.50	1.50
Large-flowering Mixture. . . . .	.35	.50	1.75
Small-flowering Mixture. . . . .	.25		1.25

CINERARIAS

EASILY, and quickly grown and irresistibly attractive are qualities that make cinerarias necessary to every retail grower. While there is no trick at all to growing them, perfect specimens must have proper spacing and attention, especially in watering. An occasional top-dressing of a balanced fertilizer will keep the foliage hard and well colored. And in full growth they require lots of water. The following list covers "All the Best" types:

	Tr. Pkt.	$\frac{1}{64}$ oz.	$\frac{1}{32}$ oz.
Giant Exhibition Mixed. Large flowering and heavy growth.....	\$1.00	\$2.25	\$4.00
Hybrida Grandiflora. Semi-dwarf large-flowered strain.....	.50	1.25	2.00
Hybrida Grandiflora. Separate colors: Azure Blue, Crimson and Matador , a coppery scarlet.....	Each 1.00		
Hybrida Gigantea. Giant dark red with white.....	1.00	2.00	
Potsdam or Berlin Market Strain. A medium tall strain with medium size flowers. We regard this as one of the choicest types.....	.75	1.50	2.50
The following best market colors in the Berlin Market Strain are available and come true: Dark Crimson and Dark Blue	Each 1.00	1.75	2.75
Multiflora Nana. Of distinctly dwarf compact growth.....	1.00		2.00
Stellata or Star. Grows about 3 feet tall. Small flowered.....	$\frac{1}{16}$ oz. \$1.00 .50		
Feltham Beauty. Not quite so tall as above Mixture.....	.50	1.00	
Plennissima Double Mixed. Well rounded full double flowers.....	.75		
Cremer's New Cineraria. Wide, numerous and over-lapping petals with an ideal semi-dwarf habit are the distinguishing points.....	3 Pkts. \$5.00	2.00	

CYCLAMEN

Vogt's Double Cyclamen. This strain produces fully 80% well doubled flowers. This adds greater attractiveness to the finished plant. Just as easily grown as the single type and the added cost of the seed is trifling.

Prosperity. Flaming rich rose.

Admiration. Salmon rose with shaded eye.

Rosea. Soft rose shading light at tip of petals.

Mixture of above 3 colors.

Any of the above including mixture at
\$3.00 per 100; \$7.25 per 250; \$13.00
per 500; \$25.00 per 1000.



Vogt's Double
Cyclamen comes
80% true and
they're attractive.

Binnewies' Strain Cyclamen

	Per 100	Per 1000 1000
No. 1 Dark Blood Red.....	\$1.00	\$ 8.50
No. 2 Bright Red.....	1.00	8.50
No. 3 Pure Rose.....	1.10	8.75
No. 4 Soft Rose, carmine eye (Improved Rose of Marienthal).....	1.00	8.25
No. 5 White with carmine eye.....	1.00	8.25
No. 6 Pure White.....	1.00	9.00
No. 7 Bonfire, brilliant salmon.....	1.40	12.00
No. 8 Salmon Scarlet, America Improved.....	1.50	14.00
No. 9 New Salmon Rose Improved.....	1.40	12.00
No. 10 Glory of Wandsbek or Perle of Zehlendorf, dark salmon.....	1.30	11.00
No. 11 Rose of Zehlendorf, light-salmon.....	1.25	11.00
No. 12 Orange Beauty, orange-vermilion.....	1.80	16.00
No. 15 Saffron Red.....	1.50	12.00
No. 16 Saffron Red, silver edged.....	1.60	14.00
No. 18 Mozart, deep pink.....	1.75	16.00
No. 21 Pink Pearl, salmon-pink (new).....	1.85	16.00
Mixed of the above.....	1.00	8.50

NOTE: The above prices are net. Write for special quotations on larger quantity.



ANNUALS

	Tr. Pkt.	1 oz.	
ABUTILON. Mixture of large-flowering strains. Flowers in 6 months from seed, 1/8 oz. \$1.50	\$0.50		
ACHIMENES. Mixed. Valuable for baskets and pots.....	1.00		
ACROCLINIUM. Roseum. Light pink. (Everlasting). Sow January for heavy spring crop. Valuable.....	.15	\$0.30	
AGERATUM. Mexicanum. Blue, 2 ft.....	.15	.40	
Blue Perfection. Dwarf, 6 in.....	.15	.60	
Blue Ball. Improved Blue Perfection.....	.15	.75	
Imperial Dwarf White. 8 in.....	.15	.60	
Little Blue Star. 4-6 in. Very good. 1/4 oz. 60c.....	.25	2.00
Little Dorrit. Blue, 6 in.....	.15	.75	
Little Dorrit. White, 6 in.....	.15	.80	
All Ageratum from seed vary some in height.			
ALYSSUM. Maritimum. Sweet Alyssum. 1 ft.....	.15	.20	
Compactum Little Gem. 4 in.....	.15	.60	
Compactum Lilac Queen. 7 in.....	.20	.75	
Procumbens (Carpet of Snow). 2-4 in. Our strain of this very dwarf type cannot be excelled.	.15	.50	
AMARANTHUS. Molten Fire. Highly ornamental summer plants, 3 ft. 1/4 oz. 60c.....	.35	
ARCTOTIS. Breviscapa Aurantica. Dark orange; 1/8 oz. 75c.....	.50	
Grandis. White petals, reverse lilac.....	.20	.50	
ASPARAGUS. Plumosus Nanus. 100 seeds 30c ; 250 seeds 45c ; 1000 seeds \$1.00 ; 5000 seeds \$4.50 ; 1 lb. \$8.00.....		.80
Sprengeri. 100 seeds 25c ; 250 seeds 40c ; 1000 seeds \$1.00 ; 5000 seeds \$4.50 ; 1 lb. \$8.00.....		.75
Note: We regularly check the germination of all asparagus seed. We find germination better and more prompt if seed is soaked in water until it swells.			
BALSAM. Imp. Camellia-flowered. Mixed.....	.20	.50	
BEGONIAS. Bedding varieties: Lightning (new). Brilliant dark red with flowers nearly an inch in diameter. Ideal compact growth for bedding. 1/2 Tr. Pkt. 60c	1.00		
Carmen (new). Bright pink flowers with richly contrasting dark brown foliage... ..	1.00		
	Tr. Pkt. 1/32 oz.	Tr. Pkt. 1/32 oz.	
Christmas Cheer.....	\$1.00 \$2.25	Albert Martin.....	\$.50 \$1.00
Radio.....	1.00 2.50	Prima Donna.....	1.00 3.00
Gustave Knaake.....	1.00 1.75	Glory of Erfurt.....	1.00 2.50
Luminosa.....	1.00 2.00	Scarlet Queen.....	1.00 2.00
Mignon.....	1.00 1.75	White Pearl.....	.50 1.75
Vernon. 1/16 oz. 50c30	Semperflorens Mixed. 1/8 oz. 75c25
Lloydii. Tuberous rooted, pendulous habit. Very choice summer flowering. January sowing will make 5 in. pot plants in July. We offer a choice mixed.....			\$1.00
Narcissus flowered. Semi-double, narcissus form; 75% true to this type, highly attractive.....			1.00
BRACHYCOME. Iberidifolia. (Swan River Daisy). Mixed.....	.15	.65	
BROWALLIA. Speciosa Major. Blue; fine pot plant..... 1/32 oz. \$1.00....	.40	
CACALIA. (Tassel Flower). Scarlet, 16 in.....	.15	.65	
CALLIOPSIS DRUMMONDII. Yellow dark center.....	.15	.25	
CAMPANULA. Fragilis. Light blue; choice for hanging baskets.....	.50		
CANDYTUFT. Giant Hyacinth-flowered. Our strain is extra select for cutting. Sow January or February for spring flowering. 1 lb. \$8.00.....	.25	.75
Umbellata Type. We offer this in the following colors: Rose Cardinal, Carmine, Lavender, White, Lilac, Flesh Pink, Crimson and Mixed.....each	.15	.40	
CANNA. Flowers in July if sown early.....	.25	.50	
CANTERBURY BELLS. Annual. Flowers in 6 months from sowing. 1/4 oz. 75c....	.40	
CARDINAL CLIMBER. (Ipomoea). Cypress Vine.....	.25		



West Chicago, Ill.

Annuals (Continued)

Tr. Pkt.

CALCEOLARIA. Following are the choicest available:

Hybrida Multiflora Nana. 10 in. Mixture.....	1.00
Albert Kent. Maroon blotched flowers.....	.75
Albert Kent Hybrids. Splendid Mixture. $\frac{1}{64}$ oz. \$3.00.....	1.00
Hybrida Grandiflora Tigrina. Tigered or spotted, 16 in. $\frac{1}{64}$ oz. \$2.50.....	1.00
Hybrida Grandiflora Mixed. Spotted and variegated, 16 in. $\frac{1}{64}$ oz. \$2.00.....	.75
Kelways Perfect Model. Originator's stock, $\frac{1}{64}$ oz. \$2.00.....	1.00
Rugosa Major. (Perennial hybrids). Fine large flowered mixed; $\frac{1}{64}$ oz. \$3.50.....	1.00
Cloth of Gold. Large flowered golden yellow..	1.00
Golden Tiger. (new). Multiflora Nana type, golden yellow spotted brownish red. Same valuable dwarf habit of Multiflora Nana. (See cut).....	1.00



GOLDEN TIGER (New)

A new light colored strain of the Dwarf Multiflora Nana class.

CARNATION. Chaubaud Double Enfant De Nice. 20 in. The finest strain of annual carnations about 90% double and 75-80% true to color. We offer the following 3 colors; Red, Rose, Salmon each $\frac{1}{8}$ oz. \$1.00; $\frac{1}{4}$ oz. \$1.75.....	Tr. Pkt.	1 oz.
Mixed. $\frac{1}{4}$ oz. \$1.25.....	.50	.50
Chaubaud's Giant. Easily and quickly grown into blooming size. 80-90% will come double. The choicest colors are: Cardinal Red, Deep Rose, Flesh Pink, Rose Pink. each $\frac{1}{4}$ oz. 60c.....	.25	2.00
Choice Mixed. $\frac{1}{4}$ oz. 50c.....	.25	1.75
CELOSIA IMPROVED. Cristata Dwarf. Golden yellow. $\frac{1}{4}$ oz. 60c....	.35	1.75
Cristata Dwarf. Empress. Scarlet..... $\frac{1}{4}$ oz. 60c....	.35	1.75
Plumosa. Fiery Red..... $\frac{1}{4}$ oz. 40c....	.25	1.20
Plumosa. Pride of Castle Gould. Plumed yellow and red..... $\frac{1}{4}$ oz. 80c....	.50	2.75
CENTAUREA CYANUS. Double corn flower. Largely used for cutting both outdoors and under glass. Blue is the best color. Blue, Rose Pink, Carmine, White each 4 oz. \$1.50.....	.15	.40
Mixed.....	.15	.35
Imperialis. (Sweet Sultan). Thistle type; Amaranth Red, Delicate Lilac, Brilliant Rose, Rose, Deep Lavender, White..... each	.20	.50
Mixed.....	.15	.40
Suaveolens. Yellow Sweet Sultan.....	.15	.40
Americana. Large thistle type, for outdoors. Lilac, White..... each	.15	.50
Gymnocarpa. Dusty Miller for bedding.....	.20	.50
Candidissima. Yellow Dusty Miller silver foliage..... $\frac{1}{4}$ oz. 50c....	.25	1.40
CHRISTMAS CHERRY. (See Solanum).		
CHRYSANTHEMUM SEGETUM. Attractive daisy type.		
Eldorado. (new). Golden-yellow, dark center, fine..... $\frac{1}{4}$ oz. 40c....	.25	1.25
Gloria Alba. White pale disc. Evening Star. Golden-yellow. Eastern Star. Primrose, brown disc. Morning Star. Pale Primrose..... each	.15	.35
Carinatum Northern Star. White, dark center with yellow band. Extra attractive. Burridgeanum. White, scarlet zone..... each	.15	.35

Annuals (Continued)

CLARKIA. January sowing flowers in May. Grow in shallow soil Orange King, Salmon Queen, Scarlet Queen, Queen Mary, Appleblossom, Firebrand, Albatross, Enchantress, Choice Mixed each	Tr Pkt. .20	1 oz. .60
COBAEA SCANDENS. Purple Climber.....	.15	.50
White.....	.20	.60
COLEUS. Exhibition Mixed . Finest available in Coleus from seed. Tr. Pkts. only	1.00	
Extra choice Mixed . Large leaved..... $\frac{1}{16}$ oz. \$1.00....	.50	
Rainbow Mixture	1.00	
Good Mixed $\frac{1}{8}$ oz. 75c....	.40	
COSMOS. Extra Early Express . Flowers in 45-50 days. Give liberal culture to prevent premature flowering. Pink, White, Mixed . Each $\frac{1}{4}$ oz. 40c.....	.25	1.25
Early Mammoth Flowering . $2\frac{1}{2}$ ft. Choice colors: Pink, White, Crimson, Mixed , each	.15	.40
Lady Lenox . Late-flowering. Pink, White each	.15	.25
Klondyke Late . Orange yellow.....	.15	.60
Double Early Anemone-flowered . Flowers in about 2 months with around 60% double. Pink, Crimson, White, Mixed . Each $\frac{1}{4}$ oz. 35c.....	.25	1.00
CYNOGLOSSUM AMABILE. (Chinese Forget-me-not). 24 in. Blue.....	.15	.30
Amabile Pink.....	.30	.80
DAHLIAS. Unwin's Dwarf Hybrids Mixed . Early flowering 18 in. Small semi-double. Choice for cutting and garden decoration.....	.25	2.50
Pompom or Lilliput Mixed . An extra select strain.....	.75	
Decorative and Cactus Mixed.....	.75	
DIANTHUS HEDDEWIGII. Dwarf free-flowering and suitable for rock gardens or borders. Albus White, Fireball, Pink Beauty, Snowdrift each	.20	.80
Sweet Wivelsfield . Finer than Sweet William, rich mixture of colors. $\frac{1}{4}$ oz. 50c	.25	1.75
Allwoodii Alpinus . 4-6 in. Extra for rock gardens. 100 seeds \$1.25 ; 1000 seeds \$9.50		
DIDISCUS. (Blue Lace Flower). Valuable for cutting.....	.15	.30
DIMORPHOTHECA AURANTIACA. New Hybrids. Some value for cutting....	.25	.75
DRACAENA. Australis . Broad leaved.....	.20	.75
Indivisa . Narrow green leaves. Largely used for vase centers.....	.15	.40
DUSTY MILLER. See Centaurea Gymnocarpa.		
EUPHORBIA. Heterophylla . (Annual Poinsettia). Mexican Fire plant.....	.15	.65
Variegata . (Snow on the Mountain).....	.15	.40

Tr Pk. 1 oz.

EXACUM AFFINE. (See cut).
Dwarf, light blue, fragrant.
Valuable pot plant.
1000 seeds **\$1.00**

FORGET-ME-NOT. See Myosotis.

FUCHSIA. "Double Dwarf."
(new). Will produce 85-90%
double and flowers in June
from January sowing. **.75**

GAILLARDIA. **Lorenziana**.
Double Mixed. Annual strain **.15** .40

GERBERA. (South African
Daisy). We offer a carefully
selected strain. 100 seeds **50c**;
1000 seeds **\$4.00**.....

GILIA. **Capitata Blue**. Lavender
blue. Some cutting value.... **.15** .25

GLOXINIA. Summer pot plants
quickly grown from seed....
Defiance. Rich glowing scarlet **1.00**
Emperor William. Dark violet
bordered white..... **1.00**
Benary's Giant Mixture..... **1.00**



EXACUM AFFINE
Choice dwarf pot plant producing light blue fragrant flowers.



West Chicago, Ill.

Annuals (Continued)

GODETIA. If forced must be grown in shallow soil. The following are among the choicest and new varieties: Sybil Sherwood (new). Bright salmon pink, edged white. Single. Tr. Pkt. only.....	Tr. Pkt.	1 oz.
Thunderbolt (new). Deep crimson, extra fine..... 1/4 oz. 90c....	.25	3.00
Sweetheart (new). Cream-pink, double dwarf.....	.25	1.00
The Bride. White and crimson, Rosy Morn. Bright pink, Carmine, Mauve ...each	.20	.60
GOMPHRENA. (Globe Amaranth). Useful everlasting. Rose, White, Orange, Red, Mixed.....each	.15	.25
GOURDS. Large Kind Mixed, Small Kind Mixed.....each	.15	
GREVILLEA ROBUSTA. (Silk Oak).....	.25	.80
GYSOPHILA ELEGANS. We are sure you cannot buy better strains of this than we are offering. We find that a good stock of Covent Garden Market is larger-flowered and fuller-petalled than Paris Market, but it will not come uniformly so.		
Covent Garden Market.....4 oz. 50c; 1 lb. \$1.60; 5 lb. \$6.50		.20
Paris Market.....4 oz. 40c; 1 lb. \$1.25; 5 lb. \$5.00		.15
Carminea. Bright carmine, habit of growth same as white.....1 lb. \$2.30		.25
HELIANTHUS. See Sunflower.		
HELICHRYSUM. Double Strawflower. The most used of the everlastings. The choicest colors are in the following list: Canary Yellow, Crimson, Rose Carmine Shades, Scarlet, Fire Ball, Rose Queen, Golden Globe, Salmon, White....each	.15	.60
Mixed.....	.10	.40
HUNNEMANNIA. Fumariaefolia. (Bush Eschscholtzia).....	.15	.50
IMPATIENS. Attractive as a house or bedding plant.		
Sultani. Bright Rose..... 1/32 oz. \$1.00....	.35	
Holstii. Soft vermilion red..... 1/32 oz. 1.00....	.50	
Holstii. Finest Mixed 1/32 oz. .40....	.25	
Olivieri. Extra large, light lilac.....	1.00	
IPOMOEA. Heavenly Blue. Early flowering. Sky blue shading white at throat....	.25	1.50
Noctiflora. (Moonflower). Large white, black seeded.....	.15	.40
Noctiflora. (Moonflower). Large white, white seeded.....	.15	.40
Cardinal Climber. (Quamoclit).....	.15	.30
KALANCHOE GLOBULIFERA. Bright scarlet. Extra choice pot plant. .....1000 seeds \$1.00		
KOCHIA. Summer cypress.....	.10	.20
LANTANA. Hybrida. Dwarf. Mixed. Sow seed in bottom heat.....	.15	.50
LARKSPUR. See page 15		
LEPTOSYNE. Stillmanii. Golden-yellow, for cutting, 18 in.....	.15	.75
LINARIA. Showy free-flowering annual, 12 in. Fairy Bouquet. (new). choicest strain	.15	.50
LOBELIA. We offer the best available in both the standard and trailing varieties.		
Blue Gown. (new). Extra dwarf. Blue, green foliage, the most dwarf variety....	.25	
Mrs. Clibran Imp. Compact, deep blue with white eye, green foliage.....	.25	
Crystal Palace Compacta. The standard dwarf deep blue. 1/4 oz. 50c.....	.25	1.75
Emperor William. Dwarf light blue, light foliage. 1/4 oz. 40c.....	.25	1.50
Trailing varieties:		
Sapphire. Deep blue, white eye. Extra choice..... 1/4 oz. 50c....	.25	1.80
Hybrida Hamburgia. Sky blue with white eye..... 1/4 oz. 50c....	.25	1.80
Angelina. Pure white, large flowers..... 1/4 oz. 75c....	.35	
Cardinalis Fulgens. See perennials.		
LUPINUS HARTWEGII. A standard greenhouse crop. We find Dark Blue the best color, next Light or Sky Blue , then White . The Rose has limited value. Any of the above colors and Mixed. Each 1 lb..... \$3.00	.15	.30
Hartwegii Giants Mixed. A strain which has been very greatly improved, with base branching habit.....	.25	.75
Sulphureus Superbus. Golden yellow, 28 in.....	.15	.50
MARIGOLD. See page 19.		



Annuals (Continued)

		Tr. Pkt.	1 oz.
MIGNONETTE. Ball Strain. Finest greenhouse variety	$\frac{1}{4}$ oz. \$1.75	1.00	6.00
New York Market.	$\frac{1}{4}$ oz. 1.75	1.00	6.00
MYOSOTIS (Forget-me-not). Early Blue Bird. We offered the past season a selection of the well known variety Blue Bird; it will be found distinctly earlier flowering and with the same good stem and free-flowering habit of the parent variety.			
	$\frac{1}{4}$ oz. \$1.25 . . . . .	.50	3.50
Ruth Fischer. Clear blue with very compact habit. The choicest variety we know of for pot plants. $\frac{1}{16}$ oz. \$1.75 . . . . .		.75	
NASTURTIUM. Golden Gleam. Semi-trailing with golden yellow semi-double sweet scented flowers. If sown during January or February on a greenhouse bench will flower heavily during spring. Also ideal for boxes or baskets.			
	4 oz. \$1.00 1 lb. \$3.00. Tr. Pkt. $\frac{1}{2}$ oz. . . . .	.20	.30
Dwarf. Following are the best standard varieties: Empress of India, Gold King, Cloth of Gold and Mixed. Each 1 lb. \$1.00.			
			.10
Climbing. Following are choice standard kinds in this class: Vesuvius, California Giants Mixed. Each 1 lb. \$1.00.			
			.10
NEMESIA STRUMOSA SUTTONI. 12 in. or more and of cut flower value as a novelty. Orange, Scarlet, Rose and Mixed. each			
		.40	
Nana Compacta. Compact habit for pots:			
Aurora. (new). Carmine and white. Choice.	$\frac{1}{8}$ oz. 75c . . . . .	.50	
Blue Gem Imp.	$\frac{1}{4}$ oz. 75c . . . . .	.35	
Mixed	$\frac{1}{4}$ oz. 60c . . . . .	.25	
NICOTIANA AFFINIS. White, sweet scented, 3 ft. . . . .		.15	.30
NIGELLA. Miss Jekyll. Finest blue. . . . .		.15	.25
OENOTHERA. (Evening Primrose.)			
Afterglow. Yellow and bright red. . . . .		.20	.60
Lamarckiana. Bright yellow. . . . .		.15	.25
PENTSTEMON. Red Shades, Rose Shades, Southgate Gem. Especially fine for pots or bedding. Each $\frac{1}{4}$ oz. \$1.00.			
"Sensation." Finest Mixed.	$\frac{1}{4}$ oz. .75 . . . . .	.35	2.75
PHLOX DRUMMONDII (Annual). The tall-growing kind can be sown on a greenhouse bench for cutting, but both tall and dwarf type make showy bedding plants and are principally used for this purpose.			
Dwarf Compact. 6 in.			
Fireball. Fiery scarlet.	$\frac{1}{4}$ oz. 60c . . . . .	.40	2.00
Snowball. Comes true to color.	$\frac{1}{4}$ oz. 60c . . . . .	.40	2.00
Sky Blue. Rich pale blue.	$\frac{1}{4}$ oz. 60c . . . . .	.40	2.00
Chamois Pink. Very true.	$\frac{1}{4}$ oz. 60c . . . . .	.40	2.00
Cecilly Mixed. A choice dwarf mixture.	$\frac{1}{4}$ oz. 60c . . . . .	.40	2.00
Grandiflora Varieties. 12 to 15 in.			
Isabellina. Pure yellow.	$\frac{1}{4}$ oz. 30c . . . . .	.25	1.00
Cinnabar. Rich scarlet.	$\frac{1}{4}$ oz. 30c . . . . .	.25	1.00
Alba. Very true to color.	$\frac{1}{4}$ oz. 30c . . . . .	.25	1.00
Chamois Rose. Comes very true to color.	$\frac{1}{4}$ oz. 30c . . . . .	.25	1.00
Carnea. Flesh-pink.	$\frac{1}{4}$ oz. 30c . . . . .	.25	1.00
Leopoldii. Deep rose with white eye.	$\frac{1}{4}$ oz. 30c . . . . .	.25	1.00
Rosea. Rose-pink, shading deeper in center, fine	$\frac{1}{4}$ oz. 30c . . . . .	.25	1.00
Cuspidata Mixed. (Star of Quedlinburg). . . . .		.20	.80
Special Grandiflora Mixed	$\frac{1}{4}$ oz. 25c . . . . .	.20	.80
PORTULACA. Double Mixed. Large flowering, choice $\frac{1}{4}$ oz. 60c			
Single Mixed. Large flowering . . . . .		.15	.50



West Chicago, Ill.

Annuals — (Continued)

POPPY. New Iceland variety "Gartref," see cut. Most flowers are edged dark as shown, adding much to their attractiveness. 4-5 in. in diameter and very free flowering. **.75**
El Monte. Tangerine orange **.75**
1/4 oz. **75c**..... **.25** **2.50**

Above two items are perennial under favorable outdoor conditions but we sow early in year for flowering in May — so we list them as annuals.

Shirley type:
American Legion, Pink Shades, Salmon.....each **.15** **.50**
Large Double Type, Paeony-flowered:
Shrimp Pink. Extra choice color **.10** **.30**
Mixed..... **.10** **.20**
Carnation-flowered:
Fairy Blush Hybrids. Mixture of choice pink shades..... **.10** **.20**
Mixed. (Fringed petals)..... **.10** **.20**

PRIMULA. Through regularly made germination checks on all our primula, we know the seed we furnish you will grow if sown and handled with care.



New Iceland Poppy "Gartref"
A new strain of large flowering nudicaule poppies for cutting; extra choice coloring. Treated as an annual. A January sowing will flower in spring.

Obconica Grandiflora. Our strains of this well known type come to us direct from their originator.
Mohnstein's Atrosanguinea. Dark red..... 1/64 oz. **\$3.00**; 1/32 oz. **\$5.00**.... **1.00**
Mueller's Rosea..... 1/64 oz. **3.00**; 1/32 oz. **5.00**.... **1.00**
We import the above varieties in sealed glass containers of 1/32 oz. each, and when 1/32 oz. is ordered we furnish in original containers.
We also offer:
Mohnstein's Dark Red..... 1/64 oz. **\$1.75**.... **1.00**
Mueller's Berlin Rose..... 1/64 oz. **1.75**.... **1.00**
Fassbender's Red. Deep crimson..... 1/64 oz. **1.75**.... **1.00**
Obconica Grandiflora Mixed..... 1/32 oz. **1.25**.... **.50**
Coerulea Grandiflora. Clear Blue..... 1/64 oz. **1.50**.... **.60**
Salmon Queen. Light salmon-pink..... 1/64 oz. **1.75**.... **1.00**

The last two varieties are widely used in Europe and we see no reason why they should not add a welcome variety to the rose and red so largely used here.

Malacoides Erikssoni. The finest strain of Baby Primulas. A most valuable improvement in color and size.
Baby Rose. Extra dwarf habit and deep color. 6 pkts. for **\$5.00** **1.00**
Wonder Baby. Slightly heavier growth and lighter color. 6 pkts. for **\$5.00** **1.00**
New Baby. Largest flowering of the three, salmon rose shade. 6 pkts. for **\$5.00** **1.00**

Regular Malacoides:
Light Lilac. A distinctly light shade..... 1/8 oz. **\$1.00**.... **.50**
Rosea Superba. Deeper and some larger..... 1/16 oz. **1.00**.... **.50**

Chinese Primula Giant.
Mixed Fringed. First class mixture of all the best colors..... 1/64 oz. **\$1.25**.... **.50**
Single Mixed..... 1/16 oz. **2.00**.... **.50**
Double Fringed Carnation-flowered. Extra choice..... **.50**



Annuals — (Continued)

	Tr. Pkt.	1 oz.
RHODANTHE MACULATA ROSE. Choice everlasting flowers for cutting. . . . .	.15	.50
RICINUS. Zanzibariensis. Carmine. Castor beans, 12 ft. . . . .		.20
Borboniensis Arboreus. 10-15 ft. . . . .		.15
SAINTPAULIA. An attractive pot plant producing violet-shaped flowers. Cordata, lavender-violet; lonantha, deep blue. Each	1.00	
SALPIGLOSSIS. Very attractive for summer cutting and for spring flowering under glass. No retail grower should pass it up. Scarlet and Gold, Brown and Gold, Rose and Gold, Violet and Gold, White and Gold, Yellow and Gold. Each $\frac{1}{4}$ oz. 40c. . . . .	.20	1.20
Emperor. Extra choice large-flowered mixture. $\frac{1}{4}$ oz. 40c. . . . .	.20	1.20
SALVIA SPLENDENS.		
America or Globe of Fire. Our stock of this well known variety is American grown. In our trials the past season it was by far superior to any other strain or variety. It is early flowering and very uniform in height throughout. $\frac{1}{4}$ oz. 90c. . . . .	.50	3.00
Harbinger. A trifle more compact and earlier than our America that it resembles closely. Late flowering and uneven growth will be avoided in either of these strains. $\frac{1}{4}$ oz. 75c. . . . .	.50	2.75
Bonfire. Not quite so early as either above two. Compact, fairly even growth. $\frac{1}{4}$ oz. 50c. . . . .	.35	1.75
Zurich. Fairly early, compact habit. $\frac{1}{4}$ oz. 60c. . . . .	.35	2.00
Patens. Navy blue, 30 in. $\frac{1}{4}$ oz. 75c. . . . .	.40	2.50
Farinacea. Bright blue. Nice for cutting and outdoor work. $\frac{1}{4}$ oz. 50c. . . . .	.25	1.50
Farinacea. Blue Bedder. Extra compact, deep blue. . . . .	.35	
SAPONARIA. Vaccaria.		
White. . . . . .	.15	.25
Rose. . . . . .	.15	.25
SCABIOSA. Choice long-stemmed annuals for cutting.		
Loveliness. (new). Salmon rose shades attractive cut flower color. Tr. Pkts. only. .	.50	
Peachblossom. The finest light pink. . . . .	.15	.50
	Tr. Pkt.	1 oz.
Shasta. Large pure white. . . . .	.15	.50
Azure Fairy. Rich light blue, a fine shade. . . . .	.15	.50
King of the Blacks. Reddish black. . . . .	.15	.50
Cherry Red. An attractive soft shade. . . . .	.15	.50
Mixed, all colors. . . . . .	.10	.40
Giant-flowered Mixture (new). Greatly improving the regular strains in size, depth of flower and length of stem. $\frac{1}{4}$ oz. 50c. . . . .	.35	1.50
SCHIZANTHUS. The grandiflora class is especially valuable to the retail grower for pot plants and cutting.		
Brilliant Mixture. A carefully balanced combination of the grandiflora type. $\frac{1}{4}$ oz. \$1.00 . . . . .	.50	
Rose and Amber Shades, Rose and Pink Shades, Purple Shades, Rose and Carmine Shades. each. $\frac{1}{4}$ oz. \$1.00 . . . . .	.40	
Grandiflora Mixed. Light Shades. $\frac{1}{4}$ oz. 75c. . . . .	.40	
Brilliance. Very showy amaranth red. . . . .	.40	
Compactus. Semi-dwarf; excellent for pots. $\frac{1}{8}$ oz. \$1.00 . . . . .	.50	
SENSITIVE PLANT. Mimosa Pudica. . . . . .	.20	.50
SMILAX. Well known greenhouse climber. 4 oz. \$1.50; 1 lb. \$5.00 . . . . .	.20	.50
SOLANUM. Christmas Cherry. We offer a superior compact growing strain. . . . .	.40	2.00
Christmas Pepper. Miniature peppers from purple to brilliant red. . . . .	.40	2.00



Statice Suworowii as a pot plant; also valuable for cutting.



Annuals — (Continued)

		Tr. Pkt.	1 oz.
STATICE. The annual form is largely used for outdoors and has value for greenhouse forcing.			
Sinuata Rosea Superba. A choice color.....	1 lb. \$3.25....	.15	.30
Sinuata True Blue. Fairly deep blue.....	1 lb. 3.25....	.15	.30
Sinuata White.....		.15	.25
Kampf's Tall Improved. Deep blue, 3 ft.....		.35	.75
New Hybrids. Mixed shades.....		.40	.85
Bonduellii. Yellow, tall, for cutting.....		.15	.30
Suworowii. Russian or Rat tail. Fine for cutting.....	1 lb. \$8.00....	.25	.75
SUNFLOWER. Dwarf (3 ft.) Extra double yellow.....		.15	.30
Russian. Large yellow single.....		.10	.20
THUNBERGIA. Blackeyed Susan. Well known climber. Mixed.....		.15	.75
TORENIA FOURNIERI. Blue, dark shading. Extra valuable as a pot plant. 1/4 oz. 60c		.25	2.00
TRACHELIUM. Coeruleum. Large heads of small blue flowers resembling Gypsophila.....	1/8 oz. 85c....	.35	
URSINIA. Anethoides. Brilliant orange, purple center.....	1/4 oz. 65c....	.35	2.00
VENIDIUM FASTUOSUM. Large orange flowers with dark center 1/4 oz. \$1.40....		.50	5.00
VERBENA GRANDIFLORA. Quickly grown from seed and with few exceptions come quite true to color.			
Lavender Glory. (new). Rich fairly deep lavender that comes 65% true to color.	1/4 oz. \$.75....	.35	2.50
Beauty of Oxford Hybrids. (new). A choice large-flowered mixture. Seed germination poor last year. Much better this season.....	1/4 oz. \$.60....	.35	2.25
Standard list — all large-flowered: Blue , white eye, Etna . Geranium red, Lucifer . Scarlet, Luminosa . Flame pink shaded salmon, Pink . Mayflower pink, Rose Pink , Scarlet Coccinea , White	each 1/4 oz. \$.50....	.25	1.60
Fireball. Scarlet, extra compact.....	1/4 oz. 1.25....	.50	4.00
Gigantea Mixed	1/4 oz. .40....	.25	1.25
Royal Bouquet Mixed. Upright long-stemmed.....	1/4 oz. .75....	.35	2.50
Venosa. Blue, valuable for bedding.....	1/4 oz. .40....	.25	1.25
Erinoides. (Moss Verbena). Purple 1 ft.....	1/4 oz. .40....	.25	1.25
VINCA. (Periwinkle). Becoming much used for bedding. Require a warm house and an early start. Rosea , Alba Oculata , Delicata , soft pink, Alba Pura , Rosea Fine Mixed	each....	.20	.75
WALLFLOWER. Early Wonder (Annual).			
Gold Standard (new). Very rich golden yellow, delightfully fragrant. Flowers in 5 months from sowing but does not stand summer temperature. We also offer Gold , flaked brown; Dark Brown	each 1/4 oz. \$1.50....	.50	5.00
Violet (new).....	Only in Trade Packets....	.50	

Perennials

		Tr. Pkt.	1/4 oz.	1 oz.
ACHILLEA. The Pearl. Double white for cutting.....	\$.35	\$.75	\$3.00	
ACONITUM. Fischeri. Deep blue.....	.25	.40	1.40	
AGATHEA. Coelestis. Blue daisy.....	.25	.40	1.25	
ALYSSUM. Saxatile Compactum. Golden yellow; for rockery.....	.15	.25	.75	
ANCHUSA. Myosotidiflora (Forget-me-not). Blue, 15 inches.....	.50	1.25	4.00	
Italica. Dropmore variety, 6 ft., Blue.....	.15		.50	
AQUILEGIA. (Columbine). Valuable for outdoor cutting and can be forced.				
Mrs. Scott Elliott Strain. Finest long-spurred mixture.....	.50	1.25	4.00	
Jaetschauii. Large yellow with red spurs.....	.40	.85	3.00	
Caerulea. Rocky Mountain blue columbine.....	.35	.50	1.75	
Silver Queen. Long-spurred, silvery white.....	.40	.75	2.75	
Mixed. All long spurred.....	.40	1.00	3.00	
ARABIS. Alpina. White, quite dwarf.....	.15		.50	
ASCLEPIAS. Tuberosa. Orange, fine for cutting, needs free drainage.....	.35	.60	2.00	
ASTERS. Hardy Alpinus "Dark Beauty." Single choice blue.....	.35	1.00	3.00	
Wartburg Star (new). Later than Dark Beauty.....	.50			
Novi Belgii. New Hybrids.....	.50	1.00	3.50	



Perennials — (Continued)

	Tr. Pkt.	¼ oz.	1 oz.
BELLIS PERENNIS. (Double English Daisy). The choicest are the Monstrosa varieties: Pink, White, and Dark Rose.....each	.40	.60	2.00
Mixed.....	.25	.50	1.75
CALLIRHOE. Involucrata. Crimson, 6 inches.....	.35		
CAMPANULAS. (Biennial Canterbury Bell). Medium Calycanthema. The finest are the cup and saucer varieties as follows: Dark Blue, Light Blue, Rose, White.....each	.25	.40	1.25
Mixed.....	.20	.30	1.00
The choice singles are: Blue, Lilac, Rose, White, Mixed.....each	.15		.50
Carpatica. Dwarf for rock gardens. Blue, White, Mixed.....each	.25	.50	1.25
CANDYTUFT. Sempervirens. White, 12 inches.....	.35	.50	1.50
CENTAUREA. Montana. Cornflower blue, 24 inches.....	.20		.75
CERASTIUM. Tomentosum. Silvery foliage, white flowers, 16 inches.....	.25	.50	1.25
CHRYSANTHEMUM. Indicum. Early Flowering, August-September. Perfectly hardy chrysanthemum mixture..... 1/8 oz. \$1.50.....	.50		
COREOPSIS GRANDIFLORA. Lanceolata Single.....	.15		.35
Semi-double.....	.20		.50
Mayfield Giant. Extra large.....	.25		1.00
DAISY. Shasta "Alaska." We offer a superior strain of American grown seed of this valuable cut flower.....	.25	.60	1.00
Double Fringed White (Diener's). From original stock. When well grown this is highly attractive.....	.50		
Conqueror. Giant-flowered White.....	.20	.30	1.00
Mayfield Giant. Large snow white.....	.25		.75
June Marguerite. Not so large but earlier.....	.25		.75
Elder Daisy. Earliest, comes true from seed.....	.20	.30	1.00
The above five varieties provide a succession of flowers from May to July.			
DELPHINIUM. Belladonna Improved. Choice light blue.....	.50		2.00
Belladonna Regular.....	.25		1.75
Bellamosum. Dark blue.....	.50		1.75
The above are the standard cut flower class.			
Blackmore and Langdon Strain. Colors from light to dark blue; extra heavy flower spikes and large flowers. Generally considered the finest hybrid strain. We have a choice stock.....	.50	1.25	4.00
Hollyhock Wrexham Strain. Another fine hybrid strain. Extra long tapering spikes.....	1.00	1.50	5.00
Gold Medal Hybrids.....	.25		1.00
Iceberg. (new). The finest clear white.....	.50		
DIANTHUS. Deltoides Maiden's Pink. Rosy magenta.....	.35	.60	1.75
Deltoides Brilliant. Bright crimson.....	.40	.60	1.75
DICTAMNUS. Fraxinella. Pink, 30 inches.....	.25	.40	1.25
DIELYTRA. Spectabilis. (Bleeding Heart). Seedlings flower second year.....	.50	1.25	4.00
DIGITALIS. (Foxglove). Giant Shirley Hybrids. A splendid giant-flowered mixture, 3-5 feet.....	.15		.50
Gloxinioides. Spotted flowers 4 feet. Following are the separate colors: Purple, Rose, White.....each	.20		.50
Gloxinioides Mixed.....	.15		.40
DORONICUM. Caucasicum. Yellow, 2 feet.....	1.00		
EUPATORIUM. Coelestinum. Sky blue, 24 inches.....	.50		
FORGET-ME-NOT. (Myosotis). Stricta Grandiflora. Royal blue.....	.25		.75
Palustris. (Swamp Forget-me-not). Red.....	.25	.50	1.50
For forcing varieties, see Myosotis under Annuals.			
GAILLARDIA. Grandiflora. Portola Hybrids.....	.25	.50	1.50
The Dazzler. Our choice of the two.....	.25	.40	1.25
GEUM. Lady Stratheden. Golden yellow.....	.40	.75	2.25
Borisii. Brilliant Scarlet.....	.50	1.00	3.50
GYPSOPHILA. Paniculata. (Double Snow White). 30-40% true double.....	.50	1.25	4.00
Single White.....	.15		.50
Pacifica (new). Small pink flowers.....	.50	1.00	
HELIANTHEMUM. Mutabile. (Rock Rose). Dwarf evergreen, 8-10 inches... ..	.25		.75
HEUCHERA. Sanguinea. Crimson, 30 inches.....	.50	1.25	4.00



Perennials — (Continued)

	Tr. Pkt.	¼ oz.	1 oz.
HOLLYHOCK. Newport Pink. Double; a rich shade of pure pink. ....	.25	.40	1.25
Chater's Double Strain: Chamois, Deep Rose, Sulphur Yellow. each	.25	.40	1.40
Alameda Pink. Allegheny type light pink. ....	.25	.35	1.00
Allegheny Mixed. ....	.15		.50
Imperator. Extra large, 6 in. Under favorable conditions ranges from delicate pink to salmon-cerise. We offer an improved stock of this fine variety. ....	.25	.50	1.60
LATHYRUS. Latifolia. Perennial Sweet Pea. Pink Beauty, White Pearl, Mixed. each	.15		.50
LIATRIS. Pycnostachya. Purple, 4 feet. ....	.20	.30	1.00
Spicata. Blazing Star, 2 feet. ....	.25	.40	1.50
LILIUM. Philippinense Formosanum Improved. Sow early spring for September flowers. ....	.35	.50	1.75
Regale. Regal Lily. Pink with Yellow. ....	.25		.75
LOBELIA. Cardinalis. (Cardinal flower). Scarlet, 36 inches. ....	.50	1.25	4.00
LUNARIA. Biennis. (Honesty). Alba. ....	.20		.75
Crimson. ....	.15		.65
Mixed. ....	.15		.65
LUPINUS. Polyphyllus. Hardy Lupines. Blue, White, Rose. each	.15		.30
Chocolate Soldier. Yellow shaded chocolate. ....	.35	1.00	3.25
Harkness New Hybrids. Choice art shades. ....	.20	.30	.75
Luteus. Varying yellow shades. ....	.35	.60	2.25
LYCHNIS. Alpina. Rose, 12 inches. For rock gardens. ....	.50		
Chalcedonica, Scarlet. 36 inches. ....	.15		.50
MATRICARIA. Alldouble White. Select stock. Crop failure.			
Capensis Alba. Feverfew. ....	.20		.50
Golden Ball. Yellow disc. 8 inches. ....	.25	.50	1.60
MYOSOTIS. See Forget-me-not in annual and perennial pages.			
NEPETA. Mussini. Lavender blue, for rock gardens. ....	.35	.60	2.25
PENTSTEMON. Gloxinoides. "Sensation" Finest Mixture. ....	.35	.80	2.75
PHYSALIS. Franchetii. Chinese lantern plant. ....	.25		.75
PLATYCODON. Grandiflora. Early flowering blue, 28 inches. ....	.25	.50	1.75
Grandiflora Album. White. 28 inches. ....	.25	.50	1.50
POPPY. Orientale Brilliant, 40 inches. ....	.25	.50	1.75
Beauty of Livermere. Oxblood. 3 feet. ....	.40	.75	2.75
Mixed. ....	.25	.40	1.00
See Annual Pages for other Perennial Poppies			
PRIMULA. Veris Grandiflora. Mixed, 12 inches. ....	.50	1.25	
Veris Giant Munstead Strain. Extra large yellow and white. 12 inches. 1/8 oz. \$1.00. ....	.50		
Vulgaris. (Yellow English Primrose). Excelsior Strain. 6 inches. ....	.40	.80	2.75
Note: Primula seed germinate very slowly.			
PYRETHRUM. Ptarmicaeflorum. Silvery White, 6 inches. 1/16 oz. \$1.50. ....	.40		
Uliginosum. Single, White, 4 feet. ....	.40	1.00	3.25
Roseum. Semi-double mixed. Valuable for cutting. ....	.50	1.50	4.75
Roseum. Single Mixed. ....	.25	.40	1.25
Kelway's Dark Red Strain. Varies some. ....	.50	.90	3.00
SAPONARIA. Ocymoides. Pink trailing, 12 inches. ....	.20		.60
SCABIOSA. Caucasica House Hybrids. Best of the lavender strains. ....	.50	.90	3.00
Caucasica Lilac Lavender. ....	.40	.60	2.00
Columbaria Pink. ....	.50	.75	2.25
Columbaria Lavender. ....	.50	.75	2.25
SEDUM. Acre. (Golden Moss). 3 inches. 1/8 oz. \$.75. ....	.40		
SEMPERVIVUM. Perennial Mixed. ....	.75		
STATICE. The following are valuable perennials for cutting.			
Perezii. Violet blue, tall, flowers first season. ....	.35	.40	1.50
Caspia. Soft lilac. ....	.40	.60	2.00
Latifolia. Blue, largely used for drying. ....	.25	.35	1.00
Dumosa. Silvery gray, fine for rock gardens, 12 inches. ....	.50	1.50	4.75
Incana Tatarica. Small white, best for drying. ....	.20		.50
TROLLIUS. Ledebouri. Orange, 2 feet. ....	.50	1.25	
TUNICA. Saxifraga. Lilac rose, early flowering, 10 inches. ....	.15		.60
VERONICA. Longifolia. Compact, blue flowers, 30 inches. ....	.25	.35	1.25
Repens. White with light blue, very early trailing. ....	.40	.80	3.00

Vegetable Seeds for Florists

More people than ever are planting gardens these days giving the florists the opportunity of furnishing vegetable plants in increasing numbers and varieties. Well grown plants for this trade are quickly and easily grown in quantity and no florist should neglect the opportunity to cash in on this demand. We secure our vegetable seed from the most dependable sources—you can depend on us.

	1 oz.	4 oz.	1 lb.
BEET			
Detroit Dark Red. (Improved Strain) 52 days. Excellent all purpose variety. Uniform globe shaped. Blood Red.....	\$0.15	\$0.40	
Crosby Egyptian. (Original Strain). 50 days. Fine for home and market gardeners. Globe shaped. Dark purplish red .....	.15	.45	
CABBAGE.			
Large Wakefield. Larger but fully a week later than Early Jersey Wakefield. . . .	.20	.65	
Early Jersey Wakefield. Standard early 62-day cabbage.....	.20	.70	
Copenhagen Market. Regular Early. Medium-sized heads; compact; 66 days... .	.30	.85	
Early Dwarf Flat Dutch. Almost ball-shaped, short-stemmed; 71 days.....	.20	.65	
Danish Ball Head. Short stem. The best late variety, keeps perfectly in storage until spring.....	.30	.85	
Savoy Imp. American. Attractive light yellow; distinct flavor. Best of the Savoy group; 85 days.....	.30	.80	
Wisconsin All-season. Yellows Resistant. Valuable in localities infested with "Cabbage Yellows." Good winterkeeper, large heads. 90-95 days.....	.40	1.25	
Golden Acre. Earliest round head variety for early market and shipping. Short stem. Firm heads, 62 days.....	.50	1.40	
Mammoth Rock Red. Best red variety. Good keeper. Deep purplish red. 90 days.....	.30	.75	
CARROT.			
Chantenay. Fine for home and market. Good shipper and keeper. Heavy yielder. 70 days.....	.15	.45	
Danvers Half-long. Very productive and uniform. Good shipper. 75 days... .	.15	.40	
CAULIFLOWER.			
Early Snowball. Best early greenhouse-forcing variety. The standard of excellence; 52 days.	1/4 oz. 80c, 1/2 oz. \$1.35....	2.25	
Danish Giant Dry Weather. Most dependable in dry weather; 65 days.	1/4 oz., 80c; 1/2 oz., \$1.40....	2.50	
CELERY.			
Golden Yellow Self-blanching Dwarf. Standard market and shipping variety... .	.60	1.75	
Golden Plume, or Florida Golden. A new early, developed from Golden Plume. Valuable for early and late in Florida and for early fall in the north. .	.75	2.25	
CUCUMBER.			
Chicago Pickling. (Westerfield). Valuable pickling and slicing. 6-7 in. long. Uniform. 60 days.....	.15	.35	
Davis Perfect. Fine slicing variety. Good shipper. 9-11 in. Few seeds. 68 days..	.20	.45	
Early Fortune. Best for slicing or shipping. Dark green. 8-9 in. long. Uniform. 68 days.....	.15	.40	
EGGPLANT.			
Large New York Purple. The standard home and market sort.....	.45	1.50	
Black Beauty. Popular home and market variety.....	.50	1.60	
KALE.			
Dwarf Green Curled. Very hardy; 12 to 15 inches tall, with 30-inch spread. Finely curled.....	.15	.35	
LETTUCE.			
Grand Rapids Forcing. The standard loose-leaved variety for greenhouse forcing. Tender and sweet under glass.	5 lbs., \$7.00....	.15	.50 1.50
Black-seeded Simpson. Early; dependable everywhere and largely used by home and market gardeners. Loose-leaved and frilled.....	.15	.40	1.50
Big Boston. Select stock. Most widely popular of all heading lettuce, largely used for summer and fall hotbed and cold frame culture. 5 lbs., \$7.50.....	.20	.50	1.60
ONION.			
Yellow Globe Danvers. Very popular; medium large; pure yellow; firm and hard	.20	.60	1.75
Prizetaker. Sweet Spanish class; large globular; yellow; good shipper.....	.20	.60	1.65
PARSLEY.			
Extra Triple Curled. (Moss Curled). Very compact; dark green.....	.15	.35	

Vegetable Seeds for Florists

PEPPER.

	1 oz.	4 oz.	1 lb.
Long Red Cayenne. (Hot). 70 days. For pickles, canning or drying; very prolific; deep green, becoming bright red..... $\frac{1}{2}$ oz., 25c....	.45		
World Beater. (Sweet). 70 days. Good shipper; large oblong, deep green turning deep red; thick fleshed $\frac{1}{2}$ oz., 30c....	.50		
Harris Early Giant. (Sweet). 63 days. Very early for home and market; very prolific and large fruited; deep green, turning red..... $\frac{1}{2}$ oz., 35c....	.60		
Large Bell. Sweet mildly pungent ribs. 55 to 60 days. Deep green, becoming scarlet..... $\frac{1}{2}$ oz., 25c....	.40	1.25	
Ruby King. (Sweet). Standard for home or market garden. Deep green and turning bright red. 68 days.....	.35	1.00	
Hungarian Yellow Wax. (Hot). Very early. Desirable for canning or market garden. Light yellow, becoming bright red.....	.50	1.50	
Crimson Giant. 85 days. Mild and sweet. Popular home and market sort. Deep green, becoming deep crimson..... $\frac{1}{2}$ oz., 40c....	.65	2.00	
Chinese Giant. (Sweet). 80 days. The largest sweet pepper. Deep green, becoming scarlet-red..... $\frac{1}{2}$ oz., 35c....	.60	1.90	
Pimento. (Perfection). (Sweet). 72 days. Standard variety for home or market garden and for canning whole. Deep green, becoming deep red.....	.30	.90	
California Wonder. (Sweet). 72 days. Standard of excellence in sweet peppers. Deep green, becoming bright crimson..... $\frac{1}{2}$ oz., 35c....	.65	2.00	
Large Sweet Spanish. 80 days. For home and market garden; heavy producer; dark green to rich red..... $\frac{1}{2}$ oz., 25c....	.45		

RADISH.

Early Scarlet Globe. (Short top strain). Our strain of this very early forcing variety is a superior one; small tops make it right for bunching. 23 days. This is an ideal florists' "catch crop" for selling to local stores. 5 lbs., \$3.50; 10 lbs., \$6.25.....	.10	.25	.75
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SPINACH.

Giant Thick-Leaved. (Nobel). 43 days. Best of thick-leaved group; long standing; heavy yielder; deep green; smooth leaves.....			.35
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TOMATO. Number of days following description is time to first pick of fruit from early June planting in northern states.

Golden Queen. 83 days. Best large yellow fruited; golden yellow; firm and smooth.....	.40	1.30	
Marglobe. Particularly valuable for shipping and highly resistant to disease. Smooth; of distinct quality and long bearing. 75 to 78 days.....	.40	1.25	4.00
June Pink. 65 days. Best extra early; purplish pink.....	.40	1.30	
Bonny Best. Unexcelled for all purposes including forcing. 73 days.....	.30	.90	3.00
Dwarf Champion. Dwarf, tree-like. Requires no support; medium size, purplish pink fruit. 78 days.....	.40		
Earliana. Particularly valuable for home and early market garden. Medium size, deep scarlet. 64 to 66 days.....	.30	.90	3.00
John Baer. Standard all-purpose variety, used largely for canning in northern sections; medium to large. 71 days.....	.30	.90	3.00
Livingston's Globe. Valuable for shipping; heavy producer. Large purplish pink fruit; smooth and solid. 81 days.....	.35	1.00	3.25
Ponderosa. Valuable for home use. Extremely large; purplish pink, with few seeds. 85 days.....	.50	1.50	5.00
Stone. 85 days. Valuable for market and canning; heavy producer; deep scarlet; smooth.....	.30	1.00	
Early Detroit. Particularly valuable for shipping. Purplish pink, large smooth fruit. 78 days.....	.35	1.00	4.00
Oxheart. Late home garden variety. Extra large heart-shaped; few seeds and mild flavor. Very choice for salads.....	.80	2.75	8.00
Dwarf Stone. Largely used by market gardeners and canners. Heavily productive; smooth and solid. 85 days.....	.45	1.50	4.50
Chalk's Early Jewel. 75 days. Fine for home and market gardeners; heavy producer; scarlet red, smooth.....	.30	1.00	


TURNIP.

Purple Top White Globe.10	.20	
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NEW EVERLASTING STRAWBERRY.

Rugen. An everbearing, highly flavored, medium to small sized strawberry which is easily and quickly grown from seed. Produces no runners and is of upright growth. Sow indoors in February for a full crop the first season. Tr. Pkt., 25c; $\frac{1}{16}$ oz. 75c. Germination 70%.

"BALL Resistant ASTERS"



There is profit in growing rot resistant asters under cloth. We have developed a number of resistant strains and pioneered interest in their culture. You will find over thirty such strains described in this catalog. Not all will be equally resistant under all conditions, but they have been bettered in selecting the strongest for rot resistance. Our experience and stock is at your service.

Geo. J. Ball.